



Founded in 1947

QCWA Journal

VOLUME XLIX

Spring - 2000

NUMBER 1



Quarter Century Wireless Association
159 E. 16th Ave.
Eugene, OR 97401-4017

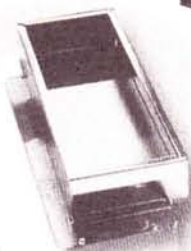
Change Service Requested

NON PROFIT ORG.
U.S. POSTAGE
PAID
MELBOURNE, FL
PERMIT NO. 495

6221 S. Maple Ave.
Tempe, AZ 85283
(480)820-5411
fax(480)820-4643
fax(800)706-6789

Call, fax
or e-mail
for a
FREE
76 page
Year 2000
Catalog!

Antique Electronic Supply



VIBRAPOD



HAMMOND
MANUFACTURING



Svetlana
ELECTRON DEVICES



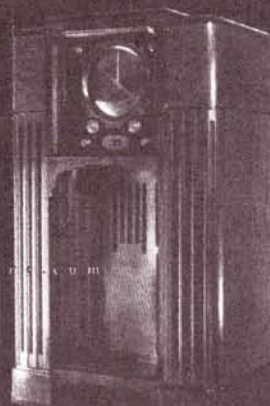
JENSEN

one electron

ANTIQUE
ELECTRONIC SUPPLY

2000 CATALOG

www.tubesandmore.com



- New-Old-Stock Tubes
- SVETLANA™ tubes
- HAMMOND™ transformers and chassis boxes
- ONE ELECTRON™ single ended transformers
- Speakers - Jensen, Kendrick, Eminence
- Resistors and potentiometers
- High voltage capacitors
- Sockets, wire, jacks, knobs, connectors, and supplies
- Books and literature
- Tools, paint, chemicals
- Grill cloth
- Guitar supplies
- Kits
- Gifts
- Great customer service
- Guarantee (even on New-Old-Stock!)



JOURNAL

Spring 2000/Vol. XLIX No.1

Reports

- 3 President's Message by Gary R. Harrison, KØBC
- 4 QCWA Candidates for Office
- 10 General Manager's Report by Jim Walsh, W7LVN
- 16 QCWA Endowment Program Announced
- 22 Chapter Reports
- 49 New Members
- 51 Chapters on the Air

Features

- 10 QCWA On Line by Dan Copeland NØDT
- 11 75-Year Awards
- 11 Ham-to-be, Kid in the Candy Store by E. Marcus Barnes, W5CN
- 17 The Official QCWA Novice Crossword Puzzle by Al La Placa, W2WW
- 18 The Romance of AM Radio Broadcasting by Tom Webb, W4YOK
- 43 Rules for 44th Annual QCWA QSO Parties
- 45 Radio Reminiscing from the Ukraine by Vladimir Skrypnik, UY5DJ
- 47 Radio Call Letters or When three were enough by Jack Goforth, K4IBP
- 48 Landlocked seaman salts ham chatter from Tampa Tribune
- 52 Amateur Restructuring is Official, ARRL
- 54 43rd QCWA QSO Party Results by Don Bice, W4PCO

Columns

- 12 CQ DX by Chip Margelli, K7JA
- 14 Rules & Regulations by Jack Kelleher, W4ZC
- 12 Amateur Radio Satellite News by Keith Pugh, W5IU
- 19 Editor's Corner

Departments

- 53 Silent Keys
- 55 Member Classifieds

Editor

Gerry Wentz, KC4EHT

Contributing Editors

Jack Kelleher, W4ZC
FCC Highlights

Chip Margelli, K7JA,
CQ DX

Keith Pugh, W5IU,
Amateur Radio Satellite
News

Business Office

159 E. 16th Ave.
Eugene, OR 97401-4017
541-683-0987
FAX 541-683-4181
jwalsh@teleport.com

Editorial & Advertising Office

672 Indian River Drive
Melbourne, FL 32935
800-421-3279
FAX 407-242-5993
gwentz@digital.net

QCWA Internet Home Page

<http://www.qcwa.org>

e-mail address

jwalsh@teleport.com

QCWA National Nets

SSB - Sunday at 2000Z on 14347
CW - Wednesdays at
2000E on 7035

QCWA JOURNAL is published four times a year (quarterly) by the Quarter Century Wireless Association, Inc. Membership ion QCWA, including a subscription to the Journal, is available to individuals who qualify in the United States and its possessions at the following rates: \$20 for one year; \$35 for two years; \$50 for three years; and \$300 for life. For foreign membership rates, please contact the business office.

POSTMASTER: Please send change of address to QCWA, Inc., 159 E. 16th Ave., Eugene, OR 97401-4017.

Cover: A youngster's first visit to "the famous" World Radio Laboratories is forever etched in his mind and on a Brownie-620 photograph. Read about the *Kid in the Candy Store* by E. Marcus Barnes, W5CN on page 11



The front of another famous electrical company in early November, 1915.

QCWA Officers and Board of Directors

President Gary Harrison, KØBC,
PO Box 467, Bolivar MO 65613
417-777-7777, Fax - 417-777-4783, k0bc@ipa.net

Vice President Croft Taylor, VE3CT,
3 Weatherly Dr., Kanata ON K2W 1A3 Canada
613-839-3336, croft@igs.net

Secretary Chuck Walbridge, K1IGD
6 La Clede Ave., Framingham MA 01701-4267
508-877-4297, chuckew@homemac.ultranet.com

Treasurer Duke Knief, W4DK,
Box 2516, Hendersonville NC 28739.
828-891-4359, Fax - 828-891-7359, dukehc@juno.com

Past President, John Kelleher, W4ZC,
612 Ednor Rd, Silver Spring MD, 20905.
301-924-1605, Fax 301-924-0420, w4zc@clark.net

President Emeritus Leland Smith, W5KL
10 Hawthorn Dr., Harrison AR 72601-2302.
870-741-0473, w5kl@alltel.net

General Manager Jim Walsh, W7LVN,
159 E. 16th Ave., Eugene OR 97401-4017.
541-683-0987, Fax - 541-683-4181,
jwalsh@teleport.com
QCWA home page - <http://www.qcwa.org>

Directors

Robert Buus, W20D, 8 Donner St., Holmdel NJ 07733-2004. 908-946-8615, w2od@aol.com

Harold Chase, W1EES, 75 Chestnut Cir., W. Suffield CT 06093-2100. 860-668-0845, qrvchase@erols.com

Charles Dorian, W3JPT, 3521 255th Ln., SE, Apt. 19, Issaquah WA 98029-5814. 425-391-3536, cdorian@msn.com

Arch Doty, W7ACD, 21370 SW McCormick Hill Rd., Hillsboro OR 97123-8724. 503-554-9142, Fax 503-554-9791, archd@aol.com

John Edel, K8LBZ, 7350 Mudbrook Rd., NW, Massillon OH 44646-1104. Ph/Fax 330-832-5932, k8lbz1@juno.com

Harry Lewis, W7JWJ, 10352 Sandpoint Way NE, Seattle WA 98125. 206-523-9117, w7jwjw7qgp@aol.com

John McKinney, Jr., WØAP, P.O. Box 186, Dannebrog NE 68831-0186. 308-226-2427, mckinney@computer-concepts.com

Alan Pickering, KJ9N, 620 Gran Kaymen Way, Apollo Beach FL 33572-2419. 813-645-5905, kj9n@juno.com

George Roach, VE3BNO, 104 Strathcona Ave., Ottawa ON K1S 1X6 Canada 613-234-0885, groach@igs.net

John Swafford, W4HU, 2025 Kensington St., Arlington VA 22205-3209. 703-536-9537, w4hu@juno.com

THOSE WHO HAVE SERVED

Past Presidents

John DiBlasi, W2FX (SK)	1947 - 1964
Earl R. Thomas, W2MM (SK)	1965 - 1968
Clarence Seid, W2KW	1969 - 1971
Barry Goldwater, K7UGA (SK)	1972 - 1973
Frank A. Gunther, W2ALS (SK)	1974 - 1977
Harry S. Gartsman, W6ATC	1978 - 1981
Stuart Meyer, W2GHK (SK)	1982 - 1985
Leland Smith, W5KL	1986 - 1989
Harry Dannals, W2HD	1989 - 1994
Lew McCoy, W1ICP	1994 - 1996
John Kelleher, W4ZC	1996 - 1998

Executive Secretary/General Manager

Ralph Barber, W2ZM (SK)	1955 - 1964
Gus Girona, W2JE (SK)	1965 - 1973
Ethel Smith, K4LMB (SK)	1974 - 1976
Ted Heithecker, W5EJ (SK)	1976 - 1991

The QCWA Journal

The Quarter Century Wireless-Association and QCWA JOURNAL in no way warrant the products described or re-viewed herein.

The JOURNAL does not assume responsibility for unsolicited manuscripts. Subscription to the JOURNAL for nonmembers in the US is available for \$20 per year. Contact the business office for subscription information. The JOURNAL is available free to blind paid-up members on audio cassette tape. For more information, contact Blanche Randles, W4GXZ (May 1-October 1), 44 Western Lane, Amherst, MA 01002 (October 1-May 1), 6002 N. Fremont, Tampa, FL 33604, 813-870-0867.



The Quarter Century Wireless Association

The Quarter Century Wireless Association, Inc. was founded December 5, 1947, as a non-commercial association of radio amateurs organized for the promotion of interest in Amateur Radio communication and experimentation, for the establishment and advancement of the radio art and of the public welfare.

QCWA is an incorporated association without capital stock chartered under the laws of the State of New York, and is a tax exempt 501(C)3 organization under the Internal Revenue Code of 1986.

Its affairs are governed by a President, Vice President, Secretary, Treasurer and a Board of Directors, whose voting members are elected every two years by the general membership.

In order to qualify for membership in QCWA one must have demonstrable proof of having been first licensed as an Amateur Radio operator at least 25 years prior to application for membership and must be currently licensed.

Membership inquiries and general correspondence should be addressed to the business office at 159 E. 16th Ave., Eugene, OR 97401-4017 USA. Telephone, 541-683-0987. Fax/BBS, 541-683-4181.

From the President

Gary R. Harrison, KØBC



CONVENTION 2001 ...Ashore, afloat or none at all?

Over the last few years, we've had a noticeable drop in QCWA convention attendance and it's not just a QCWA problem, Hamfests including Dayton, have experienced a similar decline. Solutions to our problem have been offered including the idea to have NO MORE QCWA conventions with Toronto in 2000 as the last. Of course, that idea came from someone who had never attended a QCWA convention! The XYL and I have attended many of these events over the years and participated in the forums and Saturday evening banquet. There has never been any regret.

During the QCWA forum at St Louis, the declining attendance topic was discussed. Chapter 162, by way of Larry McCalvy, WA9JMO, suggested a cruise convention and offered themselves as hosts. There were several positives and negatives offered at the forum and later by members of the QCWA Board. This "convention afloat" format would obviously be a radical departure from what's been done in the past but understand that the QCWA Board is honestly trying to find ways to make YOUR QCWA convention fun ...for you and your family.

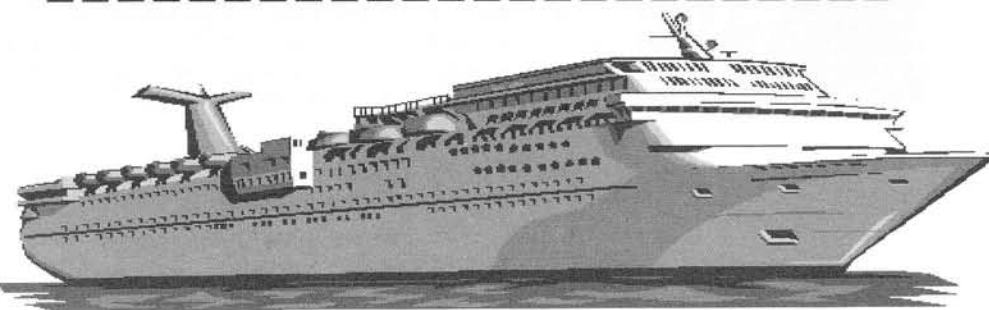
What's being offered? Initial planning by Chapter 162 suggests a 7-8 day Caribbean cruise aboard a "large" ship departing from the Miami area. The Holland-America Line has been contacted. This is an INITIAL offering by one cruise line. There will be more offerings and itineraries available after the first of the year. Remember ...this is for October of 2001 and final planning will happen about June or July of 2000.

What we need from the membership is a RESPONSE ...and NOW, so that an informed decision can be made. Please take the few brief moments required to respond to this questionnaire.

MEMBERSHIP SURVEY

Please send your mail replies to Headquarters. You may also respond via e-mail (preferred) to dukehc@juno.com

- 1) Are you planning on attending the 2000 Convention in Toronto?
- 2) Would you be interested in a cruise convention?
- 3) Would you prefer a shorter cruise or is a 7-day trip okay?
- 4) If a cruise doesn't interest you, why not?
- 5) Your call sign?



YEAR 2000

QCWA CANDIDATES FOR OFFICE

Officers

President - Gary R. Harrison, KØBC*
 Vice President - Croft B. Taylor, VE3CT*
 Treasurer - Donald L. Doughty, W6EEN
 Secretary - Charles E. Walbridge, KIIGD*

Directors

Harold Chase, WIEES*
 Daniel Copeland, NØDT
 Archibald C. Doty Jr., W7ACD*
 John B. Johnston, W3BE
 Jerrel B. Jones, W5TUU
 George C. Knudsen, W4GCK
 Arthur F. Kunst, W3WM
 Lawrence R. McCalvy, WA9JM

Lew McCoy, WIICP
 Leonard M. Nathanson, W8RC
 Alan J. Pickering, KJ9N*
 Donald L. Reinhold, KØGOR
 George W. Roach, VE3BNO*
 Bob Roske, WAØCLR
 Bill Wheeler, KØDEW
 James L. Williams Sr., K6HIO

* - Indicates Incumbent



President: Gary Harrison, KØBC*

Gary Harrison, KØBC was first licensed in 1966 as WAØRWS. He is an Amateur Extra Class and has a General Radiotelephone Operator's license. He has worked in the communications field for most of his adult life and is a retired Central Office Supervisor for Alltel in Bolivar, MO. Gary helped form the Lakes Area Amateur Radio Association and has been active in building and maintaining the club's 147.06 repeater, with a link into the Kansas City area. He has been an officer in other area clubs, a founder and first President of a Bolivar Races unit, a teacher of several ham classes, and an ARRL Volunteer Examiner since the inception of the VE program. Gary has served as a QCWA Director, QCWA Vice President and is the current QCWA President. He and his wife Carolyn, WBØOUM spend much of their vacations attending major ham conventions..



Vice President: Croft B. Taylor, VE3CT*

Croft is currently QCWA Vice President, having previously held two portfolios - International Affairs, and Activities. He was first licensed in 1950 and held several VE2 and VE3 calls since then.

While in University Croft joined COTC and then pursued a military career in the Royal Canadian Corps of Signals, retiring as Lieutenant Colonel. Afterwards, he joined Bell System in Canada and was responsible for the long term planning of Canada's major telecommunications networks, and their integration with the USA grid. At the same time he chaired the Carrier Working Group whose mandate was to develop fail safe high-density networks for the military.

Croft's major contribution to the Amateur community was the development of a program with Bell System, to release and distribute Surplus Bell Teletype and Data equipment to Radio Amateurs in North America, and over a 25-year period, he personally handled about 5000 tons of such equipment during its distribution. He is a Life Member of QCWA and a member of several Chapters in the USA and Canada.

If re-elected, Croft looks forward to working with the new Board of Directors with the objective of continuing development of the Association.



Treasurer: Don Doughty, W6EEN

Don Doughty was born in San Francisco in 1929 and raised in the San Francisco bay area. He attended the University of California at Berkeley as an undergraduate in Electrical and Mechanical Engineering, and graduate school where he earned a PhD in heat transfer and fluid mechanics. He taught and worked for the Shell Development Company for several years before embarking on a career in construction, land development and banking and finance. He moved to the Palm Springs area in 1989 where he now lives and maintains a 5-tower contest station.

He was first licensed as WN6EEN in 1951 and holds an extra class license. Over the years he has been involved in all phases of ham radio and now is mostly involved in contesting. He is a VE and Consulting Engineer for the ARRL. For five years he was president of the Leo I. Meyerson QCWA Chapter 154 culminated in his chapter hosting the 1998 QCWA National Convention that was held in Palm Desert, CA. He has been active in both Navy MARS and RACES on a local and regional basis.



Charles (Chuck) Walbridge, KIIGD*

Charles (Chuck) Walbridge, KIIGD is a candidate for the position of Secretary. He was first licensed in 1952 as WØLFX. While in high school, he worked at Leo Myerson's World Radio Labs in Council Bluffs, Iowa. Chuck graduated from Iowa State College with a BSEE in 1957, and moved to New England, changing his call to KIIGD. His engineering career spanned 34 years, working for Raytheon and GTE, Government Systems as a designer and manager on a variety of government communications systems.

Chuck holds an Advance class license and enjoys the keyboard modes on HF and VHF. Secretary/Treasurer of the Yankee Chapter since 1993, he also edits the chapter newsletter and maintains the chapter web page. He is a member of ARRL, OOTC, AMSAT and TAPR and a Life Member of the QCWA.



Director: Harold Chase, WIEES*

I was first licensed in 1932 as WIEES and have held the same call continuously since then. I am an advanced class licensee and a Life member of QCWA, ARRL member since '32, Past President of QCWA chapters 112, 149, and 183, and currently V.P. of 183. I am also a member of chapters 143 and 146 and very active on the air, CW & SSB, waving the QCWA flag from 80 through 10.

My career was spent in electronics with 15 years at Harvey Wells in the Product Design department, in production engineering, Q-C, project engineer, and as documentation specialist; 5 years with Andersen Laboratories working on signal processing equipment used in the AN/FPS-85 installation near Eglin AFB; 2 years in the electro-optical division of Kollmorgen Corp. working on the electronics associated with the Trident submarine program, and more recently in commercial industry designing and producing varied signal processing devices.

As an incumbent it has been most enjoyable serving on the Board - we are getting to know each other. I look forward to your support for another term and will continue to work toward QCWA expansion and good fellowship in the amateur fraternity.



Director: Daniel Copeland, NØDT

Dan Copeland was first licensed in 1972 at the age of 14, and now holds an Extra class license. He spent many years in the electronic service field. He then managed an electronic and appliance store. He currently publishes a real estate publication. Dan is a past Director Of the Southwest Missouri Amateur Radio Club. He is now the president of QCWA Chapter 180, QCWA Webmaster and an ARRL life member.

Dan has helped teach many ham classes and is now serving as an ARRL Volunteer Examiner. Dan has been married to Donna (KØDRC) for 23 years and has 2 daughters. He is a very active HFER, DXer, and enjoys contests. Dan is also active in QRP and really enjoys portable operations. If elected to the Board Of Directors, Dan wants to work on creating more reasons to belong to QCWA, including more on the air activity.



Director: Arch Doty, W7ACD (ex K8CFU)*

A native New Yorker, Arch graduated from Colorado College in 1947 after his education had been interrupted by five year's service as a pilot in the U.S. Air Force.

His subsequent employment was as an engineer with an automotive parts supplier and then 20 years with the Automobile Manufacturers Association in Detroit. During this period he was "loaned" to the U. S. State Department on numerous occasions to serve as the United States Representative at meetings of a United Nations subcommittee in Geneva.

Arch is serving his second term as a QCWA Director, and is Chairman of the Finance Committee. He was the author of the QCWA Investment Policy Guidelines adopted last year, and conceived the new QCWA Endowment Program adopted at the recent St. Louis meeting. In his "spare time" he created the first Chapter Internet "Page" (during his 10 year stint as Secretary of Chapter 76) and designed the current QCWA brochure.

The holder of a number of patents, Arch is the author of numerous published technical papers and articles - mainly relating to antennas and counterpoise systems. He has been licensed since 1956, and has operated with 20 reciprocal calls from various parts of the world. He is a Life Member of ARRL (and the DXCC Honor Role), a Senior Life Member of the IEEE, a member of the Radio Society of Great Britain, a Life Member of the Radio Club of America, a member of the South African Radio League and a Director of the U.S. Marconi Foundation.

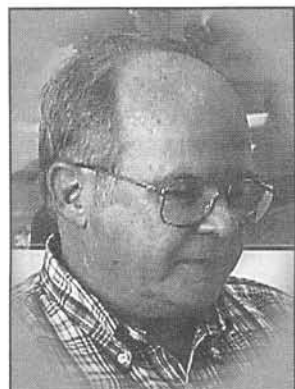


Director: John B. Johnston W3BE

As senior amateur operators, we are very fortunate to enjoy amateur radio during its greatest of times. It would be an honor bring my background to serve you in the promotion of friendship and cooperation among those of us who have been amateur operators for at least one quarter of a century.

Following a two-decade engineering career — principally with GE/RCA/Sperry — I carried out regulatory duties in the private radio services (including the amateur service) with the Federal Communications Commission for 26 years.

My qualifications are: Amateur Extra Class operator. QCWA Hall of Fame. Life Member, Vic Clark QCWA Chapter 91. Dayton Hamvention Ham Of the Year. Fellow, Radio Club of America. ARRL Charter Life Member. Past President, Frankford Radio Club of Philadelphia, PA. Past President, Penn Wireless Association of Bucks County, PA. Member, Potomac Valley (MD) Radio Club. Honorary member, Montgomery (MD) Amateur Radio Club. Honorary member, San Fernando Valley (CA) Amateur Radio Club.

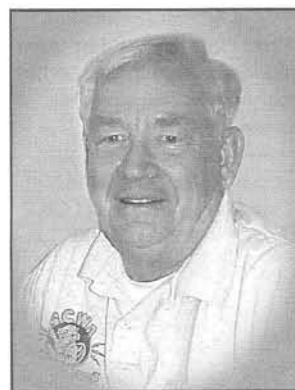


Director: Jerrel Jones, W5TUU

Jerrel was first licensed in 1951 as WN5TNL and as W5TUU the same year. He holds Advanced Class License as W5TUU. Jerrel graduated from Southern Methodist University with a BSEE in 1958 and an MSEE in 1960. He taught Electrical Engineering at SMU and Texas A&M University from 1958 to 1965 while completing the coursework for PhD in EE specializing in Antennas, Field Theory and Propagation with research in Field Aligned Irregularities (FAI) under an NSF Science Faculty Grant.

His engineering career spanned 30 years with Temco Aircraft, LTV Electrosystems, and E-Systems from 1955-1993 as an electronic design engineer, systems engineer, research engineer, and Member of the Technical Staff with specialization in airborne intercept and direction-finding systems from HF through the Microwave frequency ranges.

Amateur Radio interests include ARES, RACES, and SKYWARN responsibilities and volunteer efforts for the Plano Fire Department. Jerrel served as Frequency Coordinator for Zone 1 of Texas VHF-FM Society for five years. He is a Life Member of Texas VHF-FM Society and QCWA. Leadership roles have included President, Plano Amateur Radio Club, President, Dallas Chapter 41, Quarter Century Wireless Association, and Technical Director for HAMCOM, the West Gulf ARRL Convention. Technical memberships have included ARRL, IEEE, Association of Old Crows (Electronic Warfare), OOTC, and others.



Director: George Knudsen, W4GCK

George was born raised and educated in Madison Wisconsin, Graduating in 1956 from the University of Wisconsin with degrees in Mechanical Engineering and Naval Science.

He spent two years on active duty as an Engineering Officer on a new class of Destroyer; the USS John Paul Jones DD 932. After the active duty period he spent six years in the Naval Reserve.

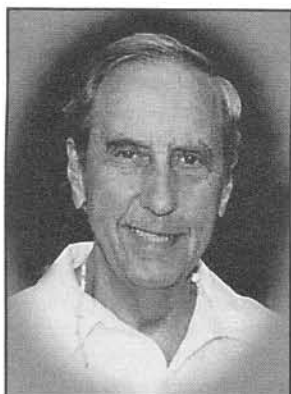
George spent the 1960's in the aerospace industry as a flight test engineer. The highlight of this career was as a member of the launch team that put the man on the moon in July 1969.

After the launch of Apollo 12 he left the aerospace industry and went to work for Walt Disney Co. and was assigned as the Chief Mechanical Engineer for the design and construction of Walt Disney World in Orlando, Florida.

The 1970's were spent in Saudi Arabia working for the Arabian American Oil Company as a Senior Project Manager on the design and construction of oil processing facilities, the final years were spent in South Korea fabricating the worlds largest offshore gas platform which is sited in the Arabian Gulf. During this time period George was recalled by Walt Disney Co. to work on the Tokyo Disneyland project. This is where he met his wonderful wife Mihoko.

George returned to Florida in 1986 and formed a consulting engineering firm, K & R Engineers, which specialized in project management services for local governments and theme parks. He sold this firm in 1996 and retired to western North Carolina.

George's interest in radio started in his preteen years as a radio hobbyist, he was licensed in 1960 as a General Class with the call K8OGY. He operated as JA1YOU while in Japan. He currently is operating as an Advanced Class W4GCK. (a vanity call sign). He is an active member of Chapter 76 and is the current President of the Chapter.



Director: Arthur F. Kunst, W3WM

I reside with my wife in Du Bois, Pennsylvania, a small city in the North central portion. My home chapter of QCWA is Pittsburgh Chapter 6.

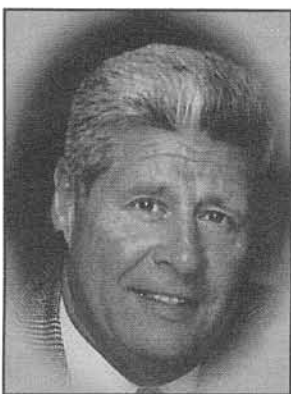
I have been licensed as a radio amateur continuously for sixty years, and have held my current call sign of W3WM for thirty years. I hold the Extra Class endorsement. I enjoy radio contests, and the pursuit of DX. I have been active in various radio clubs, and am a long time member of the ARRL. I spend winters in the Tampa, Florida area where I am a member of the Gator, Pelican, and Suncoast chapters of QCWA. I helped to organize a cooperative committee of QCWA chapters in Cleveland, Erie, Pittsburgh, Akron, and Canton to discuss and resolve local problems.

Educationally, I hold three engineering degrees, and am registered as a Professional Engineer in Pennsylvania.

I have been employed by various manufacturing firms in the electronics and electrical industry, in many assignments related to engineering, manufacturing, marketing, and management. After leaving industry, I spent my last eight working years with the Department of Engineering at Penn State University.

I entered the U.S. Naval Service in 1942, and retired as a Naval Captain after thirty-five years of active and Reserve service.

As Director of QCWA I would apply my background to the problems and challenges affecting amateur radio today, and work with fellow Directors and officers of QCWA to provide solutions. I would seek input from the membership by all means. To this end I will establish my e-mail address by the end of 1999.



Director: Larry McCalvy, WA9JMO

I would like to enhance and expand the communication avenues between the Association and our Chapters, their membership and our members-at-large. I have a special concern for our life members and our one-way method of contact through the Journal.

I have an interest in our membership's community activities. What efforts are being utilized to explore the interests our community's younger folks might have in Amateur Radio? I would like to work with the projects our membership may currently be involved with; or if needed, help initiate Ham related community activities. I feel it is important to inform the general public of the skills and service the Amateur Radio society has available. And to invite the public to join our ranks by providing classes, instructors and an aesthetic environment conducive for obtaining their Ham ticket.

Our membership has the expertise and the ability to accomplish this goal. With the installation of sound Amateur Radio Ethics in our teachings, we are building QCWA's future. Today's new Ham is our Association's future. If we lay the groundwork and build a solid foundation for today's incoming Amateur, QCWA's future will be assured and housed in growth and stability. I am available to assist, anyway I can. If you have a need, give me a call.



Director: Lew McCoy, WIICP/7

I have been asked to go back on the Board of Directors for QCWA by many of my friends in the organization. I have served in most of the offices in QCWA and I feel I can contribute if elected. I am soliciting your support and promise, if elected, to serve in the best interests of the organization.



Director: Leonard M. Nathanson, W8RC

I was first licensed in 1948 as W8DQL and my present call is W8RC. I received a BSEE in Electrical Engineering in 1957 and my JD in law in 1961. I am currently a practicing Attorney.

I was a Past Director of the ARRL Great Lakes Division, Past Vice President ARRL, and Past First Vice President ARRL. I am active on 160 meters through 70 cm and interested in DX, contesting, and rag chewing. Some of my awards include: Winner ARRL sweepstakes, CW and Phone Code CP30, WAZ, OTC, ROWH, AI-OP, LM QCWA, and LM ARRL.

While I was a Director of ARRL, I was the founder of the Legal Preemption Task Force, which fathered the PRB-I decision of the FCC.

My wife, Rebecca B. Nathanson is an amateur with the call K8NFP, as is my son Keith M. Nathanson WD8DUG.



Director: Alan J. Pickering, KJ9N*

First licensed in 1954 with the call W8ULS, I received the call KØJTW in 1957 and then KJ9N in 1981. I have been the presiding officer of seven amateur radio groups and clubs (including two QCWA Chapters, one of which I am presently a board member and the other of which I am the current President) and a member of Air Force MARS. I am a Life Member of QCWA, the ARRL, and the Association of Naval Aviation. I live on the west-central coast of Florida at Apollo Beach.

I began my professional experience as a broadcast announcer and engineer in the early 1940's (First Class Commercial, then later with Radar Endorsement) and then worked for five radio and TV stations. I was a Naval Air Corps pilot in WW II and I hold bachelor, master, and doctoral degrees in Industrial Engineering, Management and Communications and have taught at three state universities producing over 400 educational TV programs.

Leaving full-time academia in 1970, I was the National Training Director for the YMCA of the USA until retirement in 1991, traveling extensively and teaching throughout the USA, Europe and the Middle East. I am the President/CEO of the Center for the Performing Social Sciences, a consortium of management and organizational development consultants, and teach a graduate course in Policy Development at the Tampa Campus of Springfield College.

I am an incumbent QCWA Director, active in its nets, chapters and programs, and I seek a second term in order to advance the mission and objectives of QCWA and enlarge its membership.



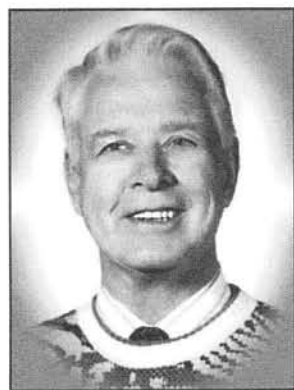
Director: Don Reinhold, KØGOR

I need your support to become a member of the Board of Directors. I am 70 years old and reside in Lincoln, Nebraska with Wandalee my XYL of 51 years. I am a retired mechanical engineer. I began my engineering career as a field service engineer in the Atlas Missile Program with General Dynamics. I retired from Minnegasco, after 30 years of service.

I was first licensed as General Class in 1956, and became a member of QCWA as soon as I became eligible in 1981. I presently hold Extra Class. I am an active VE, and teach amateur radio classes. I was an active member of the Boy Scouts of America for 42 years, and taught Morse code and radio theory to a great many scouts throughout those years.

I served in the USAF during the Korean conflict. I was an airborne radio operator on a B47 and an electronics countermeasures instructor on a B-29. I am a member of the American Legion and a lifetime member of the Veterans of Foreign Wars.

I feel one of the major problems facing us today is our diminishing number of members. We need to make a concentrated effort to recruit new members, and I believe one of the ways we can accomplish this is by expanding the participation of QCWA at hamfests and conventions. My XYL and I are avid hamfest convention attendees, averaging 7 such events each year. If elected, I will use whatever talents I have to improve and expand the appearance of our organization at these events.



Director: George Roach, VE3BNO*

George Roach, VE3BNO is a candidate for re-election to the Board of Directors. He was elected in 1998 and presently serves on the Convention, International and Activities committees.

Licensed in 1946 he has been an experimenter and operator on most modes and bands. As AMSAT life member #248 he was active in building and operating on the early amateur satellites and was on the team that in 1963 installed one of the first two meter FM repeaters. In 1994 he helped install the fast scan TV repeater VE3TVA. George is active on the QCWA 40 meter CW net and 20-meter SSB net, and is an active volunteer with Radio Amateurs of Canada, Canada's national organization.

He worked with many fellow amateurs while President of the Ottawa Amateur Radio Club and of Chapter 70, QCWA, and was the Chairman of the 1996 QCWA International Convention in Ottawa. George served with the Lanark & Renfrew Infantry Signals (reserve) and the Third Signals Regiment and spent 15 years in craft & supervisory positions at Bell Canada. His 35 years in Broadcasting included Director of Engineering at a 50 KW AM/100 KW FM radio station. He has been president and trade show manager for the Association of Central Canada Broadcast Engineers, and is a member of I.E.E.E., ARRL and AMSAT-UK. George is married to QCWA member Frances, VE3HKG. He looks forward to continuing service to QCWA members and officers in promoting a healthy and progressive organization.



Director: Bob Roske, WAØCLR

Bob Roske, WAØCLR became a Ham in 1962 and holds an Extra Class license.

He is a life member of 10-10, 3905CC, ARRL, INDEXA, OMISS and QCWA. Bob has been on the BOD for PHD ARA since he moved to Kansas City, MO in 1991. He has been PHD's President twice, Hamfest Chairman the past three years and taught classes for Novice and General license. He also belongs to the North East Kansas City ARC, the Kansas City DX Club, QCWA Chapter 35 and the Twin Cities FM Club in Minnesota. He helps at the Incoming Zero QSL Bureau and is an ARRL Assistant Director in the Midwest Division.

He is a past member of the St Cloud ARC in Minnesota where he served as president, editor of the club newspaper for a year and operated the talk-in station and hidden transmitter for their annual hamfest.

Some of his operating awards including DXCC, WAS, WAZ, WAC, USA-CA, the Maple Leaf Award, Canadian 2/80 and IOTA. Bob operates CW and Phone on 160 through 2 meters. Bob enjoys Field Day, Contesting, DX, Rag Chewing and paper chasing.

Bob is webmaster for PHD ARA, NEKC ARC, QCWA Chapter 35 and QCWW 120. All of Bob's sites can be reached via links from URL <http://bobs-web.com>

Bob has been with AT&T for 30 years and is a Technical Staff Member. He does computer programming plus system and application administration.

Bob is in his second term as President of Rock Of Ages Church, Wisconsin Evangelical Lutheran Synod in Kansas City.

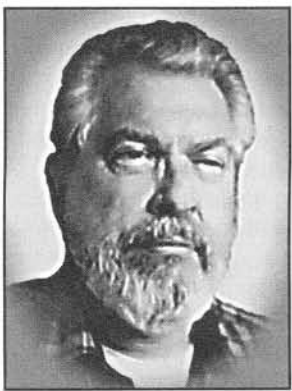


Director: Bill Wheeler, KØDEW

Bill first went on the ham bands as KNØDEW in November 1955, and has been an active amateur to the present day. He holds an Extra Class license and enjoys DXing on CW, designing antennas, and collecting Collins radio equipment. Bill recently retired after thirty years in public education, the last seven in administration. He served eight years as State Director of Army MARS, was county Civil Preparedness Director for six years, and was on the City Council in the City of Lebanon Missouri for three terms. In 1979, Bill was selected as Midwest Division Amateur of the year and has received three Public Service Awards.

About twelve years ago KØDEW started the Collins Collectors Association and was its first President, the position he held until about two years ago. Bill is presently President of the local Retired Teachers Association and the Laclede County Genealogical Society.

QCWA and amateur radio in general will be confronted with new and different challenges in the new millennium; Bill is prepared and willing to meet the challenge.



Director: James L. Williams Sr., K6HIO

My amateur radio career started at age 14 in 1953 licensed as KN6HIO, and I have been continually licensed since that time. After a short time, I passed the General theory, but couldn't quite make the required 13 wpm (missing 2 characters). Consequently, I was issued a Tech class license (now called a Tech Plus) as K6HIO. Eventually, I added a Commercial Radiotelephone License with Ship Radar Endorsement. With most of my activities on 6m, 2m, and 70cm, I had little need to try for the General or higher. However, after about 33 years I was coerced into upgrading to Extra class by 2 'buddies'. One of them (Lee, W6AQR) got me to join QCWA (about 8 years late). Not long after joining, I was elected President of the Northern California Chapter 11 - a position I've held ever since. My ham experience guided my vocational path, leading to a background in both electronics and computer programming, which resulted in my becoming an Engineering Group Leader and an MIS Director. College studies, however, were for a B.S. in the management field, and other interests have led me into being a Teacher, Deputy Sheriff, Pilot, and LEE genealogy researcher (see <http://www.qsl.net/k6hio>). As a member of the BOD, I would like to

- Keep the general membership better advised on what the BOD is doing.
- Survey the general membership for 'input' to decisions being made by the BOD.
- Find new and/or better ways to increase membership.
- Find new sources of income for QCWA, and reduce costs.
- Find ways to increase convention attendance by reducing costs.



Gen. Manager's Report

Jim Walsh, W7LVN

Well, here we are, almost into a New Year. Depending upon how you count, it is either the end of a millenium or close to being the new millenium. Whatever, it is a new year and a lot of interesting things are going to take place around us and we must be ready to accept and try to understand it all.

The trip to New Guinea was great. My oldest son went with me and we reviewed the site of the first land defeat of the enemy in Milne Bay. There is a memorial park established by the Australians and New Zealand troops that were involved. Malaria, rain, wet bodies and fungus struck both sides, and hard, the enemy destroyed their wounded and left, never to return. Visited our island Samarai, where we operated VP33 PBY seaplanes and caused a lot of problems for the enemy. Nothing was the same on 'our' island but then progress has developed it into a home and trading center for that island area. I think it was for the best.

We will see changes in QCWA in the future and in amateur radio, none of which are going to be terrible but which we will adapt to as time goes on. After all we weathered CW to AM, then AM to SSB and I suspect some more changes will take place. All of these are interesting and educational and enjoyable.

As I write this I received a telephone call advising that the FCC has announced their decision on the rewrite of the rules we live by and with. See, already we are experiencing change in this great hobby. Go out and buy a copy of the book on H.P. Maxim and get invigorated.

Jim, W7LVN

BY-LAWS CHANGE IN REQUIREMENTS FOR SERVING ON THE BOARD OF DIRECTORS

At the St. Louis Board meeting of September 23, 1999, it was voted to change the by-laws to require candidates for office to have either e-mail or fax capability. This assures that the board can efficiently take care of QCWA business between the regularly scheduled board meetings. At the end of Article VI, Section 2, add the sentence:

Each member candidate must have direct access to either e-mail or fax capability.

The full text of Article VI, Section 2 then reads:

No member may qualify for nomination to be an Officer or Director of the Association unless the member has been in good standing continuously for more than two (2) years immediately preceding the nomination. Each member candidate must have direct access to either e-mail or fax capability.

Memorial Scholarship Fund Donations

NAME	HONORING
QCWA	Betty Rickey
Chapter 89	K4AWY
Gene Adee	W9BYB
Leo Meyerson	
Chapter 62	
Charles Chapman	W1UKR
Chapter 112	K1JJJ, W1UKR & K1EFZ
Chapter 64	K6QPZ
Daniel R. West	
Chapter 181	K2LV
Frank Lester	W2GHK & W6BDE

ON LINE

By Dan Copeland NØDT

Well it looks like the list is off to a good start. As I write this, there are currently about 75 members on the list. This is a great place to keep up with your QCWA friends across the country. Unlike a schedule on 40 meters, your friends can come by later and see what you had to say.

How can I get on the list? I am glad you asked. You can go to the QCWA home page at <http://www.qcwa.org> for instructions, or you can just send an email to: majordomo@qth.net. Do not put any subject in, and in the body put "subscribe qcwa".

You will receive a response from majordomo instructing you what to do. You can also go to <http://www.qth.net> and surf down the list and follow the instructions. It's just that easy.

There are a great many other things on the Internet of value to the Amateur. For the DXer a great site is <http://www.dxbands.com>. Here you will find many useful tools for dxing. There is a link to the DX Summit DX cluster, QSL manager data base, a list of clubs and many other items too numerous to mention.

For the tester you might try <http://www.qth.com/ka9fox>. Scott has a great site full of useful information. Another contest site I find useful is <http://www.contesting.com> it is a very valuable resource. Here you will find links to various contest lists, equipment details and a lot of how to set up a winning contest station.

Some of the best resources on line for the amateur are the various callsign servers. It is great to be able to look up an address when you are making out a QSL and know the address is as up-to-date as possible. Try one of these: <http://www.qrz.com> or http://www.buck.com/cgi-bin/do_hamcall. They are both great. They are updated daily from the FCC database and are as current as possible.

I have a new email address n0dt@alltel.net. Don't hesitate to send me a message if you have any questions or need help signing up for the list.

75 year Awards

Frank Kratokvil, K4RE



Frank Kratokvil K4RE (l) receives 75-year plaque from Jack Kelleher W4ZC at a luncheon meeting of QCWA Washington DC Chapter 23 at the Holiday Inn, College Park, MD on October 9, 1999.

YEAR 2000 QCWA CASH SCHOLARSHIPS ANNOUNCED

By Leland Smith W5KL

The Foundation for Amateur Radio has announced that nineteen (19) QCWA scholarships of \$1,000 each are available this year for worthy radio amateurs pursuing college level courses leading to degrees. The scholarships were approved by the QCWA Board at the annual meeting in St. Louis and, as in the past, they are being administered without cost by FAR. Our Memorial Scholarship Program is one of the finest things we do for amateur radio.

QCWA members and chapters continue to support the Scholarship Program with contributions in memory of Silent Keys. As QCWA is approved as an IRS Section 501(c)(3) organization, contributions to the Fund are income tax deductible.

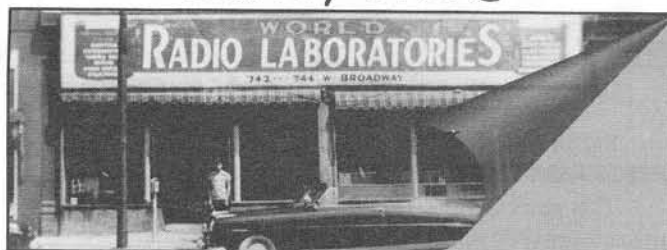
This year earnings on the invested Fund provide the largest amount of scholarship cash we have ever offered. Scholarships are available to licensed amateurs of any class without restriction as to location of school or category of degrees sought. The Board of Directors recently removed an earlier restriction that prohibited scholarships to more than one member of a family in the same year or to a previous QCWA winner.

Members and chapters are urged to immediately publicize the availability of our scholarships and encourage eligible amateurs to apply. Interested amateurs should without delay obtain application forms by letter or postcard addressed to:

FAR Scholarship Committee Post Office Box 831 Riverdale, MD 20738

A QCWA member must recommend applicants. They should also be reminded that the deadline for completed applications is April 30, 2000.

A Ham-To-Be, Kid In The Candy Store



by E. Marcus Barnes, W5CN,
EX W5TGV, VP5ME

Although Council Bluffs wasn't on the planned itinerary of our family trip that hot summer of 1950, it was close enough at hand that (with my crafty persuasion) we made the stop just for me to visit World Radio Laboratories. Known to all hams as "World Radio" or "WRL, I justifiably told my parents this place was "world famous" and couldn't be passed up. To miss it would be utterly unthinkable, no way! So with parental curiosity sufficiently aroused, all were favorably disposed to this excursion, especially since my grandmother knew of a particular antique store in Council Bluffs.

I can't overemphasize that to a fourteen-year-old, fantasy-inclined ham-to-be from a small provincial West Texas town, visiting such a place as WRL far surpasses what Disneyland is for today's kids.

It was in the showroom where Leo Meyerson cordially engaged my father and me and treated us to a grand tour of the place. Especially engrossing were the basement shops where masterful technicians—at workbenches cluttered with test equipment and wires running everywhere—were doing what seemed like "magic" things to used receivers.

When Leo asked about my ham interests, I proudly boasted: "I can copy over fifteen words per minute but need more study on theory before taking the FCC exam."

Vividly as ever, exalted memories of this occasion still linger for what I suppose are two reasons: From a young boy's perspective, meeting Leo, WØGFQ in person was tantamount—in my callow and impressionable mind—to meeting a radio guru like Signor Marconi himself. And besides, up to that moment, I had never beheld so much ham radio gear in one place and at one time except in catalogs. More dazzled than a kid in the candy store, it outshined the Land of Oz.

Moreover, so momentous was this happening, we dared not depart Council Bluffs without first taking my picture (with my Brownie-620) standing in front of the store window, complete with the immense sign in the background clearly proclaiming: WORLD RADIO LABORATORIES! Having tangible proof that I'd really been there—with which to confront skeptics I might encounter back home—was as crucial to me as tourists' snapshots are to them on their return from the Eiffel Tower or the Taj Mahal.

Not too long afterward, when I was ready to take the Class C test, the Novice Program was introduced. Soon becoming WN5TGV, and nine months later W5TGV (General Class!), it wasn't until 1976 that I got my present call, W5CN.

CQ DX



Chip Margelli, K7JA, DX Editor • 6652 Cerulean Ave. • Garden Grove, CA 92645

Happy New Year!

PROPAGATION

This year's spring season should give us a real "feel" for how this sunspot cycle will be remembered by DXers around the world. So far, the results have been very mixed.

We're all delighted to have DX appearing on ten meters, and some of the newer Hams among us are really getting a kick out of their first experience with "solar maximum" conditions on a band that can act more like 2 meters than 20 meters! On the other hand, a lot of the really exotic, reliable 10-meter Long-Path openings experienced during the last cycle have not been reported from some of the "deserving" areas (like where I live!). And six meters has not yet exploded into daily intercontinental DX orgies, as many had hoped.

But there's still plenty of time!

The sunspot cycle really will be in "maximum" condition now for at least a year, which means that the residual ionization present will make even the "bad" days seem like the "great" days of just four years ago. And when a "great" day happens at solar maximum, we will get exciting DX. . . you just have to be alert to the possibility of propagation over unusual paths. The various DX reporting resources available on the Internet are a tremendous help in the area of not missing an opening. Of course, if you are in an area not favored by an opening, all you can do is drool over the DX someone else is working! Especially when looking over 6-meter reports from PY5CC (Brazil seems to be a propagation magnet for 50 MHz!), this can drive you nuts!

The increasingly even solar radiation over the entire earth as we near the Equinox will yield utter joy on the 21, 24, and 28 MHz bands. The morning will provide great openings to the northeast and easterly directions, and the afternoon will bring westward DX in a big way. In the evenings, look for Long Path propagation, especially on 15 and 10 meters, and if you make a contact try moving the DX to 24 MHz. . . the band probably will be open, and the additional activity you bring to the band can only spawn other possibilities in future openings. At present, the 12-meter band suffers only from a lack of activity during odd propagation situations.

Six meters has been adequately covered in previous columns. Just watch the segments between 50.090 and 50.125 MHz for international DX; don't call domestic stations on 50.110 MHz, which is the international calling frequency, and don't ragchew on 50.125 MHz, which (in North America) is the domestic calling frequency. When a frequency is designated as a "calling frequency," this doesn't mean that you should chew the rag on that frequency, waiting for a DX station to call you!!

FUN DX IN THE FROZEN NORTH

One of my favorite propagation paths is one, which, surprisingly enough is not widely known. This is the afternoon (in North America) path on the higher HF bands to Northern Europe, including Scandinavia and Arctic Russia.

This path exists during periods of moderate to high sunspot activity, on days when the auroral zone is not highly disturbed. It

is best observed from the northern reaches of North America, not surprisingly, and it generally is found over the time period 1900 to 2300 UTC. Fifteen meters is the band on which it provides the most fun, and signal levels are frequently quite loud.

While the precise mechanism for this opening is not known to me, the available evidence indicates that it is a form of gray-line propagation, utilizing an ionospheric tilt at the entry and exit point of the signal on the European side to create a chordal-hop path, whereby the signal skids off the ionosphere multiple times, without intervening ground reflections. Chordal-hop propagation easily explains the signal strengths encountered, and it also explains the vast differences in path performance between northern and southern locations in North America. Basically, a station in the Pacific Northwest will receive signals on this path on a chordal-hop basis, and the signals may be well over S9; but a station in California must use an additional "traditional" hop, with a single intervening ground reflection. This ground reflection can take 20 dB off the signal's strength, and the signals are quite a bit weaker here in W6 as compared to northern W7.

On the other hand, maybe chordal-hop propagation isn't responsible for the big signals. Anyone who has traveled to Finland knows that towers grow very tall in that country, and they tend to have a lot of elements hanging on them! Must be something in the soil.

This path also provides some interesting DX possibilities during somewhat-disturbed conditions. I have observed often that 15 and 10 meters can be very poor to Central Europe, but stations in Murmansk and Archangel (in Northern Russia) can be worked with S9 signals. Apparently, they are able to sneak around the western edge of the auroral zone, skirting the disturbance. In more than one contact, I have worked CQ's Zone 16 by working a RW1Z station, when it is impossible to work anyone in the Ukraine! Eastern stations in North America may find it amazing that Ukrainians can be impossible to work, but it happens!

So when Europe fades out at mid-day here in North America, turn your beam a little further north, and look for a "sleeper" opening to our friends in the frozen north. The OH, SM, LA, JW, and RU1 DXers are a hardy breed, and nothing will take the chill off a frigid evening than a run of eager DXers who were alert enough to look to the north at 2100 UTC!

ANTENNA CONSTRUCTION RESOURCES

The computer revolution has brought a number of unique tools to the Ham who likes to tinker with antennas.

First and foremost, computer design and analysis programs now allow us to predict (with great accuracy) just how an antenna will perform, without the need to build it. Thousands of designs can be tweaked in seconds, so as to optimize gain, rear-lobe suppression and/or drive impedance. My favorites are EZNEC and ELNEC by Roy Lewallen, W7EL (e-mail address: w7el@teleport.com). These DOS-based programs are really easy to learn and use, and they provide outstanding and useful displays of the antenna patterns. How nice it is to be able to look at the pattern of an antenna in free space, then adjust the height upward and downward to optimize the performance at the ex-

pected arrival angles as predicted by your propagation software! Each of the above programs has its own strong points, and I highly recommend that (before you buy) you obtain a complete set of specifications from any party from whom you propose to obtain antenna-design software. then get the package that's right for you!

What's more, the benefits of computer-assisted antenna design are now appearing in vastly improved books available to the Radio Amateur. In an earlier day, antenna books frequently would include claims that such-and-such a design was "vastly superior." But what did this mean. . . "vastly superior" with respect to what? And at what height, and over what paths? Today, antenna books frequently use computer-generated graphs and charts to demonstrate just how and where a particular antenna will perform well.

A couple of new arrivals from ARRL in this field are particularly noteworthy. The *Antenna Compendium*, Volume 6, is chock-full of propagation arrival-angle data, and it includes extensive treatment of antennas proven to provide coverage of the desired angles. This latest volume is, for my uses, the best of the *Antenna Compendium* series, and there have been some really great offerings in Volumes 1-5. The other new arrival is a book entitled *Wire Antenna Classics*, which is a collection of articles (including one by yours truly), which have appeared in QST over the past several decades. Wire antennas can provide excellent performance, they cost little to build, and they are lots of fun to try out for Field Day or as a secondary antenna for a DX contest. From Double-Extended Zepps to Sterba Curtains, this book has a great assortment of information that is nicely assembled for quick reference.

And don't forget that Bill Orr (W6SAI) authors a series of antenna books distributed by CQ Communications, Inc., which cover a wide area of antenna topics. Orr's designs, through the years, have had the knack of just plain "working." His designs, obviously achieved through much (tedious) manual adjustment on an antenna range, always seemed to produce loud signals. Now, with the addition of computer analysis, these classic designs have undergone some slight tweaking, and the reader has the benefit of the computer-generated patterns which help one appreciate why these antennas pack "that Sunday punch" as described by KH6IJ in a testimonial printed in one of these fine books.

These books are typically available from any amateur radio dealer, along with many other fine texts which may be more useful for your own purposes than the brief selection outlined above. Spend some time browsing the bookshelves when next you visit your local "candy store," and you might find a book that makes that shiny new radio of yours even louder than it already is!

MAKE SOME NOISE!

With sunspot activity at peak levels now, isn't it strange to find some bands almost deserted?

In 1979, the World Administrative Radio Conference resulted in the allocation of three new bands to the Amateur Service at 10.1 MHz, 18.068 MHz, and 24.89 MHz. Although narrow, these bands almost never appear "crowded," and they rather give the appearance of being deserted on many days.

Particularly so in the case of the 12-meter band (24.89-24.99 MHz).

The 12-meter band is a superb mix of the low absorption of the 28 MHz band, along with longer propagation time, as offered by 21 MHz. Because a lot of Hams have not invested in a beam antenna for this band (despite the modest dimensions of a three-element Yagi for 24.9 MHz), a lot of the stations active on

this band are about the same signal strength (owing to their dipole or ground-plane antenna system). This means that, if you *do* take steps to provide a gain antenna, you can really stand out from the pack on 12 meters!

But there isn't much of a "pack" to be found. In fact, there are a lot of days during the week when 15 meters is open, and 10 meters is open, but there is no DX to be found on 12 meters. No *nothing*! It seems like everybody is listening, and when a quick sweep of the band yields no signals, the operator quickly goes back to the 21 or 28 MHz bands, where the action is.

But there *could* be action, if only someone would call CQ. If you call CQ, you just might get the attention of someone in Albania who just happens to be sweeping the band. And that Albanian might just call you. And you might even get a chance to chat with the Albanian station, unlike on 20 meters. You could find out where the other chap lives in the country, how many kids there are in the family, and whether or not the kids are interested in Ham Radio, too (in addition to Pokemon®, of course). You know, like Ham Radio used to be, before the days of "Five-Nine-Where's-My QSL-Card-Dot-Com."

Please-if the band is quiet, do something to make it un-quiet. Make some noise. . . call CQ. Someone is out there, and they might be just as bored as you are with DX on some of the other bands!

73 for now.

Chip Margelli, K7JA

G
O
L
F

S
H
I
R
T
S

With Pockets



Sizes SM to XL - \$20.00/ea.
XXL to XXXL - \$23.00

Order From:

QCWA

159 E. 16th Ave.

Eugene, OR 97401-4017



RULEs & REGs



by Jack Kelleher, W4ZC, 612 Ednor Rd., Silver Spring, MD 20905

This column presents a summary of recent significant actions in the area of domestic and, as appropriate, international Rules and Regulations.

These are brief summaries of notable Rules and Regulations items which have appeared since 1 October, the deadline for the winter '99 Journal. In each case the source is identified; we suggest that you consult it for additional information, or contact W4ZC.

FCC RESTRUCTURES (From ARRL Bulletin 96, 12/30/99) By the time you read this, details of the FCC's long-awaited Report & Order on Restructuring will be available to substantially all amateurs. Very briefly, the essence of the Report and Order is that license classes are reduced to three — Technician, General, and Extra; There will be only one code speed examination for all at 5 wpm; The effective date is April 15, 2000.

KENWOOD ASKS FCC TO RULE ON "SKY COMMAND" SYSTEM (ARRL Ltr v18, #50, 12-23-99)

Kenwood Communications Corporation has asked the FCC either to declare that its "Sky Command" system complies with Commission rules or to waive applicable sections of the rules to make it legal. The "Sky Command" system, lets the user control a fixed HF station via a pair of dual-band transceivers. ARRL claims that this configuration is illegal.

UK TO ALLOW HAM RADIO-INTERNET LINKS (ARRL Ltr v18 #50, 12-23-99) The Radiocommunications Agency (RA) in the UK has announced that it will allow interconnection between Amateur Radio and the Internet starting in late January. The RA said it recognized the need to encourage young people to become involved in Amateur Radio as "a valuable training ground for future careers in radio and electronics" and expressed hopes that its decision would "open up whole new avenues into Amateur Radio." Connection of ham equipment to nonamateur networks in the UK will require written permission from the Secretary of State.—RA via Ian Abel, G3ZHI

FCC TURNS AWAY HAM-BAND BROADCASTING PETITION (ARRL Ltr v18 #49, 12-17-99) The FCC has turned down a request by Michael R. Reynolds, W0KIE, to permit amateurs to make one-way transmissions intended for reception by the general public on Amateur Service frequencies above 420 MHz. Reynolds had said that, if adopted, his proposal would provide new opportunities for noncommercial, community-oriented radio and additional diversity on the radio dial. He also asserted that Amateur Service frequencies above 420 MHz are "seriously underutilized."

ULS PROCESSING NEW CLUB APPLICATIONS: (ARRL Ltr v18 #49, 12-17-99) While the FCC continues to work out a few bugs in the Universal Licensing System, the ULS Task Force reports it expects to complete processing its backlog of new club station applications filed over the past four months. The ULS is not yet processing club station modification applications via the Universal Licensing System, but that could happen

next week. Applications for new or modified club station licenses still must be filed on FCC Form 610B. Prior to filing a new or modified club station application, applicants must obtain an Assigned Taxpayer Identification Number from FCC Technical Support, 202-414-1250

ARRL SEEKS PARTIAL RECONSIDERATION OF PRB-1 PETITION DENIAL (ARRL Ltr v18 #48, 12-10-99) The ARRL will ask the FCC to partially reconsider its dismissal of RM-8763, the League's 1996 petition that sought to strengthen and clarify the limited federal preemption policy governing Amateur Radio antennas known as PRB-1. The FCC dismissed the petition in its entirety November 19 and indicated it was unwilling to go beyond what is already spelled out in PRB-1. "We continue to believe that the standards the Commission set, that is 'reasonable accommodation' and 'minimum practicable regulation', have worked relatively well," the FCC said.

RILEY HOLLINGSWORTH TO KEYNOTE HAMVENTION (ARRL Ltr v18 #48, 12-10-99)

FCC Special Counsel for Amateur Radio Enforcement Riley Hollingsworth, K4ZDH, will be the keynote speaker at the 2000 Dayton Hamvention banquet on Saturday, May 20. For the first time ever, the Dayton Hamvention will host the ARRL National Convention, and Hamvention 2000 promises to be the biggest and best ever. Because it's also the League's national convention, Dayton Hamvention 2000 will include an expanded forum schedule.

ULS STEP-BY-STEP AVAILABLE ON ARRLWEB (ARRL Ltr v18 #48, 12-10-99) Simple, step-by-step instructions on how to register for the FCC's Universal Licensing System now are available at <http://www.arrl.org/fcc/uls101.html>

FCC WARNS AGAINST NONAMATEUR USE OF MODIFIED GEAR. (ARRL Ltr v18 #48, 12-10-99)

The FCC has told the ARRL that police, public safety agencies, and others may not legally use equipment—such as modified Amateur Radio gear—that has not been FCC certified to transmit in services requiring FCC-certified equipment. The use of a modified Amateur Radio transceiver on police frequencies would be contrary to Part 90 of the rules because the equipment would not be FCC certified, an FCC official explained.

FCC DISMISSES FIVE MORE AMATEUR RADIO-RELATED PETITIONS (ARRL Ltr v18 #47, 12-3-99)

The FCC has turned down five more Amateur Radio-related petitions, including three filed by the ARRL. The FCC consolidated the dismissals into a single Order, released November 29. Among the five was a petition filed last spring by the Central States VHF Society. That petition, designated RM-9673 generally sought more restrictive regulation of the modes used by amateurs in the 6 meter, 2 meter, 1.25 meter and 70 cm bands.

The three ARRL petitions dismissed were RM-9259, filed April 3, 1998, asking for an FCC declaratory ruling to equate observance of voluntary band plans with "good amateur practice"; RM-9115, filed March 12, 1997, seeking to permit RACES

participants and others to intercommunicate during emergencies, drills and tests and to expand the time allowed for RACES drills; and RM-9106, filed March 12, 1997, asking the FCC to permit stations in the Territory of American Samoa to transmit on 7.1 to 7.3 MHz as a domestic exception to the International Table of Frequency Allocations. The FCC also dismissed a petition filed March 19, 1997, by James Cardillo-Lee, KE6VGV, asking for a rule change to permit hams who also are emergency personnel engaged in disaster relief to use the Amateur Service bands while on paid-duty status.

FCC INTERVENES IN POWER LINE NOISE COMPLAINTS ARRL Bulletin 93, 12-3-99 The FCC has contacted a West Coast power company to remind the utility of its obligation to fix equipment problems that cause harmful radio interference. The case involved longstanding complaints by several northern California amateurs to Pacific Gas & Electric Company regarding severe power line noise on the ham bands.

FAST MAJORITY OF HAMS NOT ULS-READY (See ARRL letter v18 #46) Even though registration has been available for approximately two years now, about 682,000 Amateur Radio licensees have yet to register with the FCC's Universal Licensing System. This figure includes individuals whose licenses have lapsed but remain in the two-year grace period. (The FCC recently said approximately 3% of US licensees had registered with the ULS.) The FCC deployed the ULS for the Amateur Service on August 16, 1999. Amateurs must be registered in the ULS in order to file applications with the FCC—including renewals, modifications, and vanity call sign requests.

FCC LETTER INCLUDES OPERATING REMINDERS FOR NETS (See ARRL Letter, v18, #46, 11/19/99)

FCC Special Counsel for Amateur Radio Enforcement Riley Hollingsworth recently took advantage of an enforcement-related letter to issue some operating reminders for nets. Hollingsworth pointed out that amateur frequencies are shared, and no net has a greater right than any other ham to a given frequency and cannot take over a frequency unless it is voluntarily relinquished. Hollingsworth also wrote that the practice of "identifying only by the last two letters of an Amateur call sign is a violation of Part 97" of the FCC rules and that such practice "must not be condoned by your group." Some amateurs had construed the statement—widely reported elsewhere—as a tightening of FCC station identification enforcement policy. Hollingsworth said that's not the case.

FCC AMATEUR ENFORCEMENT INFO: (See ARRL letter v18 #45 11/12/99) The FCC Amateur Radio Enforcement Log, a digest of the latest FCC Amateur Radio enforcement news, now is available to all on ARRLWeb, <http://www.arrl.org>. From the ARRLWeb home page, click on "News." Then, under "Special Interest Topics," click on "FCC Amateur Radio Enforcement Logs." This information may be republished without special permission, with credit to ARRL.

NEW ENFORCEMENT AND CONSUMER INFORMATION BUREAUS OFFICIAL (ARRL Ltr v18, #43)

FCC will create two new bureaus—the Enforcement Bureau and the Consumer Information Bureau—effective November 8. FCC Chairman William Kennard made the announcement during testimony October 26 before the House Telecommunications Subcommittee on the FCC's Five-Year Strategic Plan. "Our decision to establish bureaus devoted exclusively to enforcement and consumer information signals the enormous importance of these functions in our transition from an industry regu-

lator to a market facilitator," Kennard said. "This reorganization is the first step in a larger effort to streamline and modernize the FCC." FCC Deputy General Counsel David H. Solomon was named to head the Enforcement Bureau. The new bureau will consolidate enforcement functions—including amateur—and personnel from the Commission's existing Common Carrier, Mass Media, Wireless Telecommunications and Compliance and Information Bureaus. Solomon has been Deputy General Counsel since 1994. Current FCC Legal Adviser for Enforcement Riley Hollingsworth, K4ZDH, will get a new title as part of the reorganization: Special Counsel for Amateur Radio Enforcement. In a surprise move, Kennard announced his intention to name Lorraine C. Miller to be Bureau Chief of the new Consumer Information Bureau. Current Compliance and Information Bureau Chief Richard Lee has been appointed Senior Director of Licensing Analysis in the Chairman's office. The new CIB will consolidate the FCC's Gettysburg Call Center (to be renamed the Consumer Center) as well as staff from various bureaus who handle consumer complaints and public information requests. For more details on the reorganization plan, visit http://www.fcc.gov/Bureaus/Miscellaneous/News_Releases/1999/nrmc9072.html

FCC REVISES CONDUCTED EMISSION LIMITS (ARRL Letter v18 #43) The FCC has gone along with recommendations from the ARRL and others to hold the line on conducted emissions below 30 MHz from unlicensed consumer electronic and industrial, scientific and medical devices operating under Parts 15 and 18 of the Commission's rules. The FCC has proposed new emission guidelines that are just slightly more stringent than the current FCC standards. Comments on the NPRM are due 75 days after its publication in The Federal Register, and reply comments are due 30 days later. A copy of the FCC's Notice of Proposed Rule Making in ET Docket 98-80 is available at <http://www.arrl.org/announce/regulatory/et98-80/nprm.html>.

HOLLINGSWORTH REITERATES PLEDGE: (Tnx ARRL Letter v18, #43) During the Southwestern Division Convention October 1-3, FCC Legal Adviser for Enforcement Riley Hollingsworth reiterated a pledge to undertake two amateur enforcement initiatives in the coming months: encroachment of unlicensed activity on 10 meters and improper or illegal marketing of HF amplifiers—especially those capable of 11-meter operation. He said that problems on VHF no longer would take a back seat to HF enforcement. Flwg from arl ltr v18 #42

GETTYSBURG FCC OFFICE TO GET MONITORING ANTENNA: (Tnx ARRL Letter v18, #40, 10/8/99)

In October, the Army Corps of Engineers will install an all-band delta loop antenna at the FCC's Gettysburg facility. Among other purposes, this system—at a height of 75 feet—will assist in real-time monitoring of the Amateur Radio Service and serve as a "force multiplier" for the High Frequency Direction Finding Center in Laurel, Maryland.

UP-TO-DATE FCC AMATEUR LICENSEE AND CALL SIGN INFORMATION NOW IS AVAILABLE FROM THE ARRL at <http://www.arrl.org/fcc/fcclook.php3>.

Announcing the QCWA Endowment Program

\$ 10,000 pledged to jump-start major new activity

George Knudsen, W4GCK, named Program Administrator

At its St. Louis meeting the QCWA Board considered that the Association's long-term financial status must be based on something more substantial than the vagaries of membership dues payments and other cyclical sources of income.

To address this problem the Board approved a proposal for the initiation of a major new activity, the "QCWA Endowment Program".

The most immediate part of this program will be to solicit "Endowment" gifts of cash or negotiable securities. To initiate this portion of the program a donor has pledged to match, on a dollar-for-dollar basis, the first \$ 10,000 donated to the Endowment Program.

Gifts will also be solicited of securities or of negotiable assets specified as a bequest in a person's will. Corporate gifts of cash, negotiable securities or equipment will also be sought.

An important second portion of the Program is designed to provide additional funds to participating QCWA Chapters, as well as to the Endowment Program. In this activity a means will be provided whereby QCWA members, their spouses or executors of Silent Keys will be provided a means of disposing unwanted modern, usable amateur radio equipment. Here is how it will work:

1) Those who wish to donate unwanted amateur radio equipment to QCWA would contact your nearest participating QCWA Chapter, or the Administrator of the Endowment Program, and provide a description or list of the equipment available.

As only about 50% of QCWA members are affiliated with a Chapter, the Administrator will direct donations from non-affiliated members to the donor's nearest Chapter.

2) When advised to do so, the donor would bring or ship the equipment to the location designated by the participating Chapter.

3) The Chapter will sell the equipment.

4) The participating QCWA Chapter will retain half the proceeds of the sale. The other half of the proceeds will be sent to QCWA Headquarters as an unrestricted gift to the QCWA Endowment Program.

Donations of "Museum Quality" electronic equipment will also be encouraged. The Association is arranging working relationships with appropriate museums, and the Program Ad-

ministrator will attempt to find a proper display site for any unique historic equipment donated.

All gifts for the benefit of the QCWA Endowment Program will be individually acknowledged for personal or corporate (and tax) records.

The Quarter Century Wireless Association is a non-profit USA corporation. Thus, gifts to the Endowment Program will be entitled to exemption under the provisions of Section 501 (c) (3) of the Internal Revenue Code of 1954, as amended.

The assets of the Endowment Program will be administered together with, but separate from, those of the QCWA General Fund and the Scholarship Fund, and will be prudently invested for the long-term benefit of our Association.

George Knudsen, W4GCK, has been named Administrator of the Endowment Program, and will be assisted by a newly formed committee. (George is scheduled to be President of Chapter 76 next year).

The best concise description of the Endowment Program comes from our Treasurer, Duke Knief, W4DK, who referred to it as "QCWA's 401 Plan".

\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$

If you would like to accept the "\$ 10,000.00 Challenge", please send your check to:

Duke Knief, W4DK, Treasurer

P. O. Box 2516

Hendersonville, NC 28793-2616

Please mark your check "Endowment Challenge". Thanks to the matching fund donation that has been made by a QCWA member Duke will credit the new Endowment Fund account with **TWICE** the amount of your donation - this will apply to the first \$ 10,000.00 of donations received.

Unless you specify otherwise, your name will be added to the list of those making donations, and will be published in a future edition of the QCWA Journal.

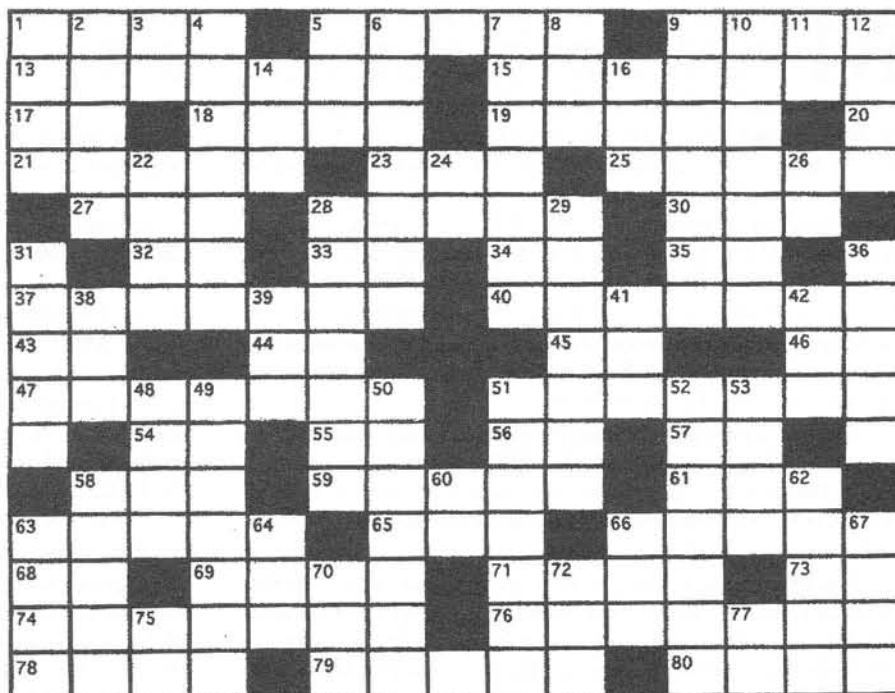
\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$

The Official QCWA Novice Crossword Puzzle

Another creation of the diabolical Al La Placa W2WW
Creator of the Quiz from Hell

ACROSS

- 1 EP
5. Weathered hardware, usually.
9. FD contest bane.
13. Says again.
15. To take in.
17. Rx output.
18. Donate.
19. How you want to receive DX QSL cards.
20. He's been around a while.
21. A4
23. Where many shacks are located.
25. Portals.
27. Transmit Incremental tuning (abbr.)
28. Come up.
30. Light beam.
32. Austria.
33. Nickel (abbr.)
34. Iridium (abbr.)
35. Teletype (abbr.)
37. Coil or transformer.
40. Destroyed or thrown away.
43. Some 29.000 to 29.200 MHz operation.
44. Highest U.S. ham license (abbr.)
45. Gold (abbr.)
46. Not ave. or ln.
47. KH5K
51. C3
54. Serbia
55. Not hi.
56. Record, account or ROM.
57. To _____ list.
58. A boon to miniaturization.
59. Eyelid inflammations.
61. Morse code element.
63. Combine liquids.
65. Brick carrier.
66. Send payment.
68. Spain
69. Roof hangover?
71. Hot place for some crystals.
73. A W3 state (abbr.)
74. Full of friendship and goodwill.
76. EME hardware.
78. A WI state (abbr.)
79. Mine entrances.
80. With el, his, hers, theirs to Juan.



DOWN

1. YI
2. Send a FAX once more.
3. One-time prefix for Pakistan.
4. Cancelled out or nullified.
5. Quick-setting waterproof sealant (abbr.)
6. Flea market purchase?
7. Passage, change, transition.
8. A CW man's "C".
9. QSO exchanges.
10. Artificial intelligence (abbr.)
11. Tusk material.
12. Groups on a single frequency.
14. Low-loss ladder-line insulator.
16. It makes triangles and T-squares passé (abbr.)
22. Suffix meaning action or process.
24. Ireland
26. _____ of office.
28. Strengthens metal.
29. Some "honey do's".
31. Obey alarm clock.
36. Light-colored antelope of No. Africa and Mideast.
38. CW man's "?".
39. Prefix meaning one short followed by one long.
41. Auditor (abbr.)
42. CW man's string of dots.
48. Big money conduit.
49. Groups of 21 shillings.
50. Don't listen.
51. Beaten in hot contest.
53. House unit.
58. Andes beast-of-burden.
60. Romania
62. Having drunk too much.
63. Yagi or quad.
64. A gentle pat.
66. Game official.
67. Western U.S. resort lake.
70. Astronomy array (abbr.)
72. Tape format.
75. An Italian prefix.
77. International Units (abbr.)

Official solution on page 55.



THE ROMANCE OF AM RADIO BROADCASTING

By Tom Webb W4YOK

My story entitled "WMST Radio" in the Winter 1998 issue of the QCWA Journal generated so much interest and so many similar tales, that I thought a more general article about early AM radio might be of interest, and might bring me more interesting anecdotes from the gang.

Early radio, to me, was in the late 1940s when I was a kid of ten years. I built a crystal radio which promised to bring in stations "hundreds of miles away." But all I could hear was the local daytimer WSON (Henderson, KY) and later, after they signed off, WGBF across the Ohio river in Evansville, IN.

About 1948 I acquired a Zenith multi-band radio and started listening to the short-wave bands. I was amazed to hear the BBC from London, and Radio Brazzaville in Africa. But I never lost my interest in the "broadcast band."

In 1948 a new station came on the air in Evansville, WJPS. It was a 5 KW (day) 1 KW (night) ABC station. It was named after J. Porter Smith, the owner. The signal was extremely loud in my QTH of Henderson, KY. Little did I know that I would work there years later.

Country music stations were popular in the fifties. In the evenings I would listen to Randy Blake on WJJD in Chicago, peddling all sorts of stuff, including Hadacol, the all-purpose remedy of the time (43% alcohol, I found out later). WCKY in Cincinnati was the premier country music station, except for Saturday nights when WSM in Nashville ruled. There was also KWKH in Shreveport, LA, and a station in West Virginia. WLS and WENR in Chicago shared a frequency. They took turns broadcasting.

In the late fifties and early sixties other music genres became popular. There was rocker KOMA (KOMA in Oklahoma) at the top of the dial. Ten KW daytimer WAPE (Big Ape Radio) in Jacksonville, FL covered the Florida beaches with the sounds of Freddy Cannon and Chubby

Checker. WAPE signed on and off with Johnny Weissmuller's Tarzan yell. Gene Nobles and John R. from WLAC in Nashville filled the evening hours with Rhythm and Blues music. (I matured, more or less, while listening to these two guys.) Remember "In the Still of the Night" by the Five Satins? The smell of beer always gives me flashbacks to WLAC. Reverend C. L. Franklin (Aretha's father) sold recordings of his mostly unintelligible sermons on WLAC at midnight.

And, there was Papa Rock, on WLEX in Lexington, KY, who every Christmas told the little kids that there was no Santa Claus. "Santa Claus is DEAD, chillun." Then one memorable night, Papa Rock ended his show as always, "Papa Rock's gotta stop; keep leaving your footprints on the sands of all the little cutie dolls you can." Poppa Rock stopped for good at that minute from a fatal heart attack. I heard that show while driving into Lexington to go back to school at UK after Christmas vacation, 1957 I think it was. A few minutes of a tone arm going round and round at the end of a record signaled the end of the career of Papa Rock.

XERF in Villa Acuna, Mexico was a power in late fifties - early sixties broadcasting. They operated just over the border

from Texas with 250 KW. (A custom built RCA transmitter with a low-level modulated linear amplifier). They sold "new 1962 Fords" for \$600, pick up at your nearest port of entry. And guaranteed fly killers for \$2.98. I saw one of these things; it consisted of two small squares of wood. The instructions said "Allow a fly to land on board #1, then kill the fly by smashing board #2 onto board #1." I wish I could remember the name of the DJ who was on in the late hours. He would pop open a half pint of whiskey and kill it on the air. Then he would belch loudly. Classic radio, 250 thousand watts strong.

I acquired my First Class Radiotelephone license in 1958 and went to work at WJPS. It was a three-tower directional. I learned a lot about the technical aspects of radio broadcasting there, working for a fine gentleman named John F. Brown, the Chief Engineer.

I taught myself to be an announcer there by practicing with the production equipment. Then, when the station went off the air at 1 AM, I would fire it back up and play disc jockey, running the daytime NE antenna pattern with the daytime 5 KW. I would field telephone calls from New York, and all over the northeast, and once got a signal report from Sweden. (The time between midnight and dawn was dubbed the "experimental period" by the FCC, and such operation was legal.)

Then, on to WMST, back to college, and a career as an electrical engineer.

Retired now, I still tune my Kenwood TS-440S to the AM broadcast band. WLAC comes into Texas quite well, but Gene Nobles and John R. are gone. WSM and the Opry sound about the same, but I miss Roy Acuff and Minnie Pearl. On the WJPS frequency of 1330 KHz, I hear KFJH in Wichita.

A comprehensive history of AM radio was written recently by Bob Doll, for whom I worked at WMST. It covers the KDKA period of the twenties up to the present. It's entitled "Sparks Out of the Plowed Ground." Streamline Publishing, 1996. Recommended reading.



QCWA HISTORICAL MATERIAL WANTED

It is important that we preserve any or all material pertaining to the history of the QCWA for posterity. If you have items to contribute to the historical record of the QCWA organization, please contact:

Historian Wesley Randles, W4COW
6002 N. Fremont
Tampa, FL 33604
Ph: 813-870-0867
e-mail: w4gxz4@juno.com



Editor's Corner

I was happy to wake up on New Year's Day and not see a scorched landscape or find my computers nothing more than an ash heap. Despite the warnings, all systems are still GO and the Journal will continue to be published with nary a hiccup.

With all the election and QSO Party information, this issue of the Journal was bursting at its seams. We had the proverbial 7 pounds of material with a 5-pound bag this time. But there was still space for some excellent articles, especially the article and cover picture of the *Kid in the Candy Store* by E. Marcus Barnes W5CN. Tom Webb W4YOK who wrote the immensely popular *WMST Radio* article goes a step further with another entitled, *The Romance of AM Broadcasting*. Jack Goforth K4IBP gets into the broadcasting act with an explanation of the origin of radio station call letters in *Radio Call Letters*. Finally, Vladimir Skyrpnik UY5DJ gives an interesting perspective of growing up with ham radio in the Ukraine. We even added a crossword puzzle by Al La Placa, tailored to the interests of QCWA members.

Another great Journal thanks to all of you who have committed your wonderful stories to paper. Keep 'em comin'.

In-flight Airline Announcements



I would imagine a large number of QCWA members have experienced the droning in-flight safety lecture and other mundane announcements when flying. The Editor passes on a few unconventional examples heard on mostly International flights by foreign carriers:

1. Welcome to our flight. To operate your seatbelt, insert the metal into the buckle, and pull tight. It works just like every other seatbelt, and if you don't know how to operate one, you probably shouldn't be out in public unsupervised.

2. In case of sudden loss of cabin pressure, margarine cups will descend from the ceiling. Stop screaming, grab the mask, and pull it over your face. If you have a small child traveling with you, secure your mask before assisting with theirs. If you are traveling with more than one child...pick your favorite.

3. After a particularly rough landing during a thunderstorm, a flight attendant announced: Please take care when opening the overhead compartments because, after landing like that, sure as hell everything has shifted.

4. A pilot humorously announced: Weather at our destination is 50 degrees with some broken clouds, but we'll try to have them fixed before we arrive.

AMATEUR RADIO OPERATORS HELP IN MEDICAL EMERGENCY MORSE CODE WORKS

Friday night, 11:30 pm local time, Dec. 17, 1999, Larry Watson W5EIU who lives in Okla. City, OK was on 80 meter CW around 3710 KHz.

He answered a CQ by a Ham living in a small town in Wyoming. They had been talking for about 15 min. when the Ham told him he was not doing to good, he was having severe chest pains. He said, "I think I'm having a heart attack and I can't get to the phone". His signal then stopped.

Larry tried to get him back and could not. About that time Jim Caldwell WJ0C from Waterloo, Iowa called Larry W5EIU and said that he had been monitoring the transmission and ask Larry if he thought it was a Prank. Larry replied that it sounded real to him.

Larry then ask Jim if he had a callbook and could he look up the address and full name of the Ham. Jim WJ0C looked up the information and gave it to Larry.

Larry then placed a phone call to the police department in this town and told them he was a Amateur radio operator in Okla. City, OK and that they may have a medical emergency at the home of the Ham. The police took the information and said it was not far and they would check it out.

About 20 Min. later Larry called back and was told that there was a medical emergency. They got the Ham to the hospital and it looked like he was going to be ok.

The Name, Call and Town of the Ham with the medical problem has been withheld by request.

Larry Watson W5EIU was first licensed at age 13 in 1954. He is a member of Central Okla. Chapter 63 QCWA. He said this was a first for Him.

Submitted by: Gene Nailon K5DLE, k5dle@juno.com Central Okla. Chapter 63 QCWA

Fred Hammond, VE3HC - SK

Fred served as a Director on the Board of Directors for the Quarter Century Wireless Assn. from 1986 to 1990. While undertaking that job, Fred represented the foreign members of the association and communicated with those members all over the world. Due to his work a number of changes were adopted in the membership options for the foreign members.

At one of the meetings Fred presented a QCWA cap to the Board complete with the logo silk screened on the front panel of the cap. At his own expense he ordered a number of the caps and presented them to QCWA to be offered for sale to the members. That was typical of this man. He was an individual who was used to developing ideas and generally did it by himself.

His museum in Canada is typical of Fred. He acquired all the items in the museum from people all over the world. It was interesting to get him to talk about certain items and how he was able to acquire that radio. Each piece was in operating condition and cared for by the people working in the museum. Frequently it was Fred working on a new piece of equipment who brought it back to life.

Fred will be missed by all of the groups with whom he associated. Always a gentleman and ready to help anyone along the pathway of life.

Jim Walsh, W7LVN QCWA GM 11/30/99

Toronto 2000 National Convention

October 13 – 15, 2000

Celebrating Radio's First Century

Hosted by Southern Ontario Chapter 73

THE PROGRAMS

- | | |
|--|--|
| <ul style="list-style-type: none">▪ The "Golden Kilowatt" Gerry King VE3GK will be presenting a forum on Antennas▪ An AMSAT forum will be presented by AMSAT Director Robin Haighton VE3FRH▪ IARU President Larry Price, W4RA will share the latest developments arising out of the World Radio Conference, WRC 2000 held in Turkey▪ Digital Radio is here. See how it works and sounds as several Toronto stations are now on the air.▪ The new digital format PSK31. No extra hardware needed just a PC and radio. Learn how.▪ An APRS forum will present an overview of the new use for packet radio.▪ Microphones from our past. Bill Graham VE3ETK will walk you through yesteryear with live microphones and an audio visual display. | <ul style="list-style-type: none">▪ Broadcasting from the CN Tower. How one antenna is used with many high-power stations by Paul Edgley VE3PQ▪ World famous marine weather forecaster Herb Hilgenberg VE3LML will share some of his experiences. Even the Coast-Guard and Navy trust Herb over official reports▪ High-end kits are back. Tony Fegan VE3QF reviews his experience building the new ELECRAFT HF kit.▪ How new regulation changes will affect amateur radio by Jim Dean VE2IQ former RAC Vice President▪ Serious Home Brewing is not a lost art? By Chapter 73 President Earl Mann VE3EHM▪ Al D'Eon VE3AND presents the travails of restoring a Lancaster Bomber. The aircraft that took many Canadians to war.▪ QCWA directors host an Open QCWA Forum with the membership |
|--|--|

A full ladies program will also be presented with details to follow.

HOTEL RATES

Rates for the **Delta Toronto Airport Hotel** have been set at \$115 Canadian. As of press time this was about US\$80.00. Free Shuttle Bus service between the airport and the hotel.

BANQUET

There will be a choice of Beef or Chicken for the Saturday evening banquet. Your preference to be stated on your registration form.

CURRENCY EXCHANGES

US currency is generally accepted at most locations however the rate of exchange will not be as attractive as you would receive at the bank. As of press time, each US dollar would purchase \$1.47 Canadian.

TALK-IN

2 Metre talk-in will be available during most drive times on the 146.985/-385 VE3SKY repeater. Listen for VA3QCW.

BORDER CROSSING INFO

Those travelling from the US may be asked for proof of citizenship when entering Canada. You should always carry Proof of Citizenship and at least one photo-ID.

Hand guns are strictly prohibited in Canada.

SPECIAL EVENT STATIONS

Listen for the Chapter 73 call **VA3QCW** throughout the year and **W2MM/VE3** during the QCWA QSO parties



CONVENTION HOTEL

The **DELTA Toronto Airport Hotel** will be the location for this year's National Convention and will provide us a comfortable environment for business and pleasure.

The Airport Delta is located just 5 minutes east of Pearson International Airport, adjacent to an 18 hole golf course, close to shopping malls, dining, other major attractions, and just 20 minutes from downtown Toronto.

Book your rooms early directly with the hotel:

Delta Airport,
801 Dixon Road,
Etobicoke, Ontario, M9W 1J5
Tel: 416-675-6100
Fax: 416-675-4022.

To get the preferred rate of \$115 (Canadian), **be sure to mention you are with the QUARTER CENTURY WIRELESS ASSOCIATION**

Their web site is at www.deltahotels.com.

TOURS

Friday: A trip to Niagara Falls to tour one of the Seven Wonders of the world.

Saturday: Tour of Toronto and the CN Tower complex. The world's highest free-standing structure.

Sunday: A tour of the **NEW** and expanded **Hammond Museum of Radio**. Lunch at the Plainsman home of our chapter meetings and then on to the Canadian Warplane Heritage Museum at Mount Hope (*Hamilton*) Airport.

REGISTRATION

We are now accepting registration by mail. To register, complete the following form or if you do not wish to mutilate your Journal you can print a registration form at our web site www.kwarc.org/qcwa/2000info.htm.

The fee structure outlined below covers all refreshments at the morning and afternoon forums and the Friday Night "eye-ball" hospitality suite with a *cash-bar*. Funds for tours will be collected during the on-site registration. Please indicate your plans for any of the optional tours.

Toronto 2000 QCWA National Convention, October 13 – 15th Toronto, Ontario, Canada

Name: _____ Call: _____ QCWA # _____
Spouse/Guest: _____ Call: _____ QCWA # _____
Address: _____
City: _____ State/Prov: _____ Zip/Post Code: _____
E-Mail address: _____

EVENT	Qty	Cost Each	Enclosed
Member registration		US\$17.50 / CA\$25.00	
Non-member Spouse/Guest		FREE	
Banquet: Chicken		US\$31.00 / CA\$44.00	
Banquet: Beef		US\$31.00 / CA\$44.00	
I wish to take following tours		TOTAL ENCLOSED	
Friday: Niagara Fall			
Saturday: Toronto			
Sunday: Hammond Museum of Radio and Warplane Heritage Museum			

Mail cheques to QCWA 2000, 2129 Larabee Court, Burlington, Ontario L7P-3S3 Canada.

Convention Questions to the Chairman:

Earl Mann VE3EHM, 44 Hawkedon Cr, Etobicoke, ON,
M9W 3L7 or ve3ehm@rac.ca

Registration questions to:

Norm Freidin VE3CZI, 2129 Larabee Court, Burlington, ON,
L7P 3S3 or ve3czi@rac.ca

For late breaking information watch our web site at www.kwarc.org/qcwa/



Chapter Reports are a very important part of the Journal and we would like to see regular reports from all chapters. If your chapter is not represented on these pages, please ask your secretary to file a special report for the Journal. Please send the reports to General Manager, Jim Walsh, to arrive no later than the following dates: July 1, October 1, January 1, and April 1.

Chapter 1, Cleveland

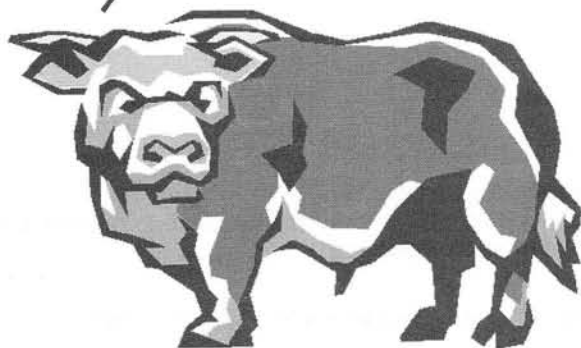
The big news is that Cleveland Chapter No. 1, QCWA, is now looking forward to its very own repeater. After a number of trials and negotiations 146.85 MHz. (-600 KHz. offset) has been agreed upon. All it needs now is the sanction of the Repeater Committee for Northeastern Ohio. W8LYD will be an open repeater.

In the meantime, members of Cleveland Chapter No. 1 are deeply grateful to LEARA, the Lake Erie Amateur Radio Association, for the use of their repeater on 146.88/-0.600 MHz. This repeater of theirs has been especially useful for several years for our Cleveland Chapter No. 1 - QCWA every Wednesday night Net at 8 PM. TNX OMs!

December 2 was another historical night for Cleveland Chapter No. 1, QCWA. On that Wednesday night our net was treated to a hookup with Cleveland Chapter No. 1 - QCWA member Vince Fabbraio - WB8NWQ living in Cincinnati, Ohio. Vince was rebroadcast via the Internet through the facilities of Craig Kollai, KC8EBC, in Richmond Heights, Ohio, an eastern suburb of Cleveland. Also participating technically in this big historic hookup were Jack Goldfarb, W8WGO, Joe Zelle, W8FAZ, and the LEARA Repeater (Lake Erie Amateur Radio Association). Congratulations OMs!

Our fall quarterly meeting was held on Saturday, October 16. The annual awards presentations were featured. Congratulations to John Mistic, W8VRJ, honored as The Ham of the Year 1999!

*I 'm bullish on our DEADLINE
for Chapter Reports
/ April 1, 2000*



Certificates of appreciation for 1999 were awarded to the following:

Ham of the Year Plaque - W8VRJ, President's Award Plaque - W2NTB, Special Recognition Plaque - W8UDG, QCWA Meritorious Award - W8EFW, QCWA 50-Year Certificate - W8ETI, QCWA 60-Year Certificate - W8UDG, QCWA 60-Year Certificate - W8WNA, QCWA 65-Year Certificate - W8LJI, QCWA 65-Year Certificate - W8MMC, QCWA 70-Year Certificate - W8ABL*. QCWA Century Award Certificates - W8ETI, W8ADW and SM5FH. Special Service Certificate - W8PIU, W8ATPP and Barbara Mistic.

* (Awarded posthumously)

Congratulations, OMs and YL! Keep up the fine work for our QCWA and Amateur Radio!

We were saddened by the loss of four of our staunch and loyal QCWA members. They were Bob Manning, W8LXA, QCWA #13084, Norman Simon, W8LXR, QCWA #29383, who passed away within a few weeks of each other. Then we lost Robert Blair, W8ABL (former K8NYZ) QCWA #15377. Our latest loss was Bill Greenberger, W8LJV, QCWA #25495 of Elyria, Ohio. Our condolences to their relatives and friends. May all of our QCWA Radio Amateurs rest in peace!

Andy Doles, W8UDG, has resigned as our VP. Richard Ingraham W8ATPP, was elected as Andy's replacement. TNX Andy and congratulations, Richard.

QCWA has added several new members from our district. Welcome OMs! Marvin Goldfarb W8YEO, QCWA #29902 and James H. Capps W8AEB, QCWA #29985.

Our next luncheon meeting was scheduled for Saturday Noon January 15, 2000 at Dimitri Restaurant. No special program had been planned. However a general membership eyeball socializing was to follow the luncheon and meeting. Every member of QCWA is cordially invited to attend this our traditional get-together.

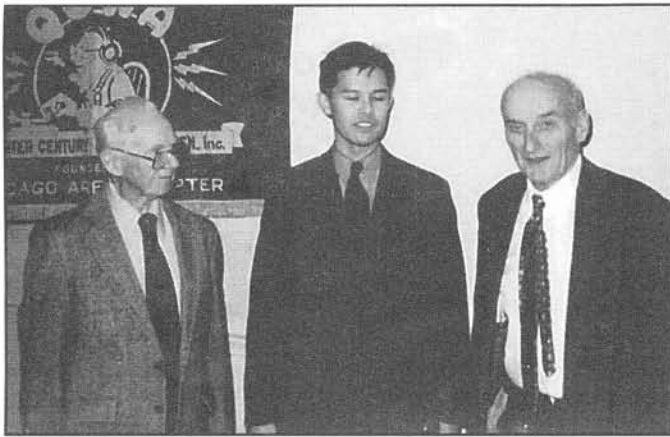
Joseph Zelle W8FAZ

Chapter 2, Chicago Area

President Jim Quinn, W9MFY at 6:45 PM, called the business portion of the meeting to order.

Jim reported on the table at the Lake County Hamfest. The table was manned at all times by volunteers. About a dozen applications were handed out. One definitely will be a new member, W4TYO. Sales of accessories were low.

Jim reported that the Summer Brunch at Itasca



From left to right: Paul Crum W9KC - Program Chairman & VP, Dr. Kuo, and Jim Quin K9JQ - President.

Country Club would no longer be at that location. The country club's business has increased appreciably so they raised the minimum attendance to 75. There's no way we can assemble that many members and guests.

After investigation by Jim and Dale Svetanoff, the new location will be the Wilmette Country Club. It is a nice room, with windows, and can accommodate us very nicely. Jim investigated the Wilmette C. C and Dale investigated the Holiday Inn just down the road from the Itasca Country Club. After comparing notes, they selected the Wilmette Country Club.

The Brunch will be July 9, 2000. So mark your calendars.

Jim reported that there was \$599.63 in the treasury.

After dinner, Jim Quinn introduced Paul Crum who introduced the speaker for the evening:

David T. Kuo, D.O. Radiology Chief Resident at Illinois Masonic Medical Center in Chicago presented a program on the modern fast growing phase of medical treatment concerning imaging and radiology. He covered many facets of the subject including X-ray, Mammography, CT Scan, MRI, Ultrasound, Petscan, as well as treatment programs Nuclear Medicine, Radiology Oncology and Special Treatments. Dr Kuo made the talk outstanding with his illustrations and projected slides. The detail in his slides made the subject easy to understand. Dr Kuo made an effort to explain in non-medical term, what we were seeing. Numerous questions after the formal talk were answered.

The program ended at 9:30PM.

Gil Kowols W9BUB - Secretary

Chapter 5, Delaware Valley

The Delaware Valley Chapter 5, held the December meeting at the Town & Country Restaurant in Bordentown, NJ on December 4th at 12:00 noon. Chairperson Florence Power, WA2WYE, opened the meeting. Florence welcomed all the members and guests and gave the invocation. While the waitresses took the orders, the secretary read the minutes of the September meeting and the minutes were approved. The treasurer, Mary Foral, W3QGC gave his report of the fi-

nancial condition of the Chapter and his report was accepted. A moment of silence was observed in memory of Len Kravitz, KD2CR, who passed away in October. Len and his XYL were regulars at most of our meetings. His many friends will miss Len. Tony Musero, K3LTKW, had obtained new forms for renewal of ham licenses and passed them around to any who needed them.

The speaker for the meeting was Sally Lane, a former feature writer for both the Trenton Times and the Trentonian, having written many articles on the history of numerous historical sites and buildings in the city of Trenton and the local area. She brought pictures on slides of many old buildings in the area and gave the history of what the building was and in many cases, who owned it and what kind of business was conducted there. She also explained how many of the pictures were dated by observing details in the pictures. A number of pictures were before the turn of the 20th century. Everyone enjoyed her talk and learned about what the city looked like as long as 100 years ago.



Florence Power WA2WYE (l) and speaker Sally Lane.

Chapter 5 has a net operating on 3917 MHz at 9:45 am on Sunday morning. All members are urged to check in and have a chance to keep up with your fellow members and their activities. Chapter 5 also has a home page on the Internet and it can be found at <http://www.resuba.com/qcwa5> and all are invited to check it out. Chapter 5 members should be helping to find new members for the Chapter and bring them along to one of our meetings so they can get acquainted with what goes on.

Don Field W2UAE - Secretary

Chapter 6, Pittsburgh

Prior to the meeting, a "show and tell" table with olde time radio memorabilia, resulted in some lively discussions and reminiscing about gear of yesteryear.

President Jack Parsons K3OTY, called the Chapter 6 scheduled meeting, the last of the 21st Century, to order. There were 27 members, significant others, guests and interested parties in attendance. This was last meeting before the "snow birds" leave for warmer climes, mostly Florida. Jack brought the members up

Chapter Reports

to speed on the Chapter condition, much like the other chapters, we too are looking to enlarge the membership and have more participation. Art Kunst W3WM, gave a report on the National Convention this past September in St. Louis. Jack requested a hands up ID by the attendees with greetings to some new visitors and the return of some previous members. After the hearty buffet luncheon the meeting continued on with a discussion by Ed Yoder W3YMB, regarding the naming or renaming of the Chapter. Ed offered, as a suggestion, "Westinghouse" as a formal name for Chapter 6. The membership will be polled on the question of renaming, if approved there would have to be a vote on the name as well. This could take some time!

It was noted by the President that the annual chapter dues of FIVE (\$5.00) are payable NOW to the chapter's CFO,

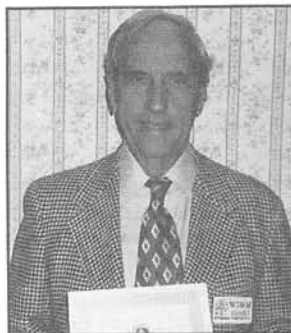
Seth Ward KC3YE, 83 Ruthfred Dr., Pittsburgh, PA 15241



Tony Gessler W3YDP, gets a manly hug from fellow QCWAer Roy W3TZW, in celebration of the coming 21st Century and Tony's 90th birthday.



Roy Repp Sr. W3TZW with his 60 year award.



Arthur Kunst W3WM displays his 60 year award.

W3SVJ, Nate, again brought attention to the fact that "Big" John Edel, K8LBZ, will not be running for the director's position in the upcoming QCWA national election. Art Kunst, W3WM, has officially put his hat in the ring for that office and is soliciting our votes. As John has been doing, Art also is in contact with the local chapters via the COOCOM group. The COOCOM connection allows the director(s) access to the chap-



George Montgomery W3KVS displays his 65 year certificate.



George Kitazawa NS3O shows his 65 year award.

ters via their representatives as well as giving the members a pipeline to the National.

Certificates mailed to members not present W3DHL E. "Zeke" S. Dorsey and W3CJF John Tomko, received their 70 year awards; N3IGD Alan Mauk and W3UHV Dale Henry received their 60 year awards.

Our good friend Joe Ferenc W3TVB, was hospitalized and went SK before his certificate could be presented to him. Joe was the consummate CW operator and recently obtained his 300 country confirmed award.

The next Chapter 6 meeting is scheduled for April 16, 2000 at Otto's in Dormont. Please join the Chapter 6 chapter six group for "brunch and visit". All are welcome, member or not.

More information About Chapter 6?

Nathan S. Firestone WSSVJ - Secretary

Chapter 10, Michigan

Christmas is over and the New Year, with all the Y2K caveats, is upon us as this is written. Much of the ham community in the state will be on standby for any possible problems. We are hoping it is a quiet night that ushers in 2000. We are not expecting trouble, but will be prepared. Everyone would much rather spend January 1 playing with those new Christmas goodies than out checking on bad happenings.

Our net is well attended and we would like to have more members check in and join the lively discussions. We have a new net control in Mike, WB8ICN, who is a wonderful addition to the net. If you have not been checking in, please start. We need everyone to give their opinion on possible changes to the net and the annual meeting. If you can't make the net, please drop me a line with your input. Any changes should reflect the opinions of all members.

Beverley Stoner - Secretary

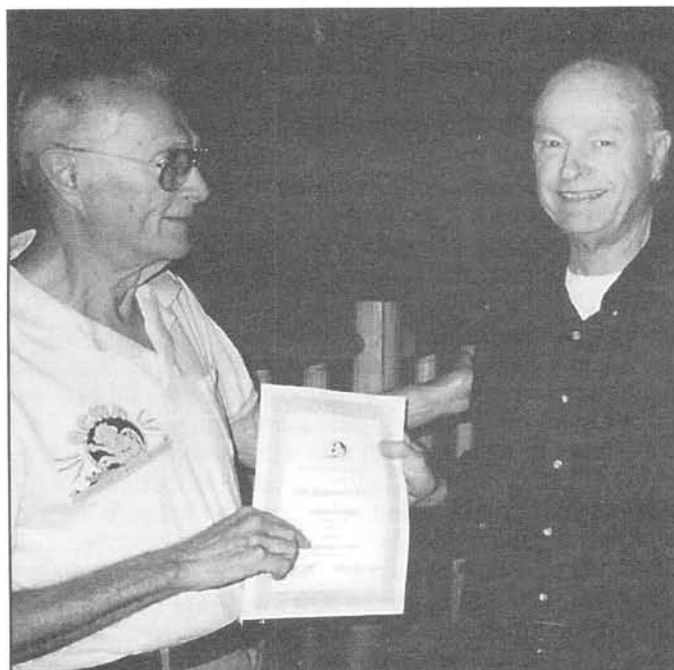
Chapter 23, Washington DC

A luncheon meeting of QCWA Washington, D.C., Chapter 23 members convened at the Holiday Inn, College Park, MD on October 9th. There were 13 members and guests in attendance for the presentation of the "Golden Certificate Awards". Of the 11 entitled to receive such awards, only 3 were in attendance. Jack Kelleher W4ZC, President Emeritus of the Quarter

Century Wireless Association, made presentation of these awards. Also, in attendance was Hugh Turnbull W3ABC, Vice President of the ARRL. Jack bestowing upon Frank Kratokvil K4RE, a 75-year plaque recognizing his 75 years as a licensed radio amateur, highlighted this occasion. Jim McLeod K3RPN, received his 55th year award, and Stan Brigham W3TFA, his 60th. A third of the active chapter members were present for this occasion. Several of our members wrote to express their regrets about not being able to attend our luncheon; namely, Dex Anderson W4KM, of Rhode Island, and Merle Glunt W3OKN, of Pennsylvania. John Birch, W3JB, telephoned from Colorado expressing his disappointment also. However, Bruce Green W3IR, made



Jack Kelleher W4ZC (l), presents 60-year certificate to Stan Brigham W3TFA.



Jack Kelleher W4ZC (l), presents 55-year certificate to Jim McLeod K3RPN.

it all the way in from Edgewater, MD. Although this was essentially a social occasion, the Sec/Treas commented on the fiscal status of the Chapter, and the effects advancing age and deteriorating health of an Increasing number of our members. This is quite natural, and it was emphasized that each member should attempt to recruit new members in order to fill the void.

Stanley F. Brigham - Secretary/Treasurer

Chapter 29, Finger Lakes

It seems like it was only yesterday that our snow bird members returned from the sunny south for the summer, but now they have either flown the nest again or will very shortly.

Our annual election was held once more at our business meeting on the last Friday of October. The previous officers were installed for another term. W2RBK, George Cook, President; K2YGF, Bill Schall, Vice President; and Ed Gersten, WB2MWW, Secretary /Treasurer.

One of the highlights of our club this year is the travel exploits of Fran Thisse, W2BJI/J37XC and his wonderful XYL, Friskie, J37ZQ. They have already left for their winter quarters in J37 land, which we hope weren't knocked out by the past hurricane season. After a short time there, they were leaving for the West Coast where they expected to pick up a flight to the South Pacific they were going to take a 10 day cruise to Haiti, and around the islands. Considering their ages, and the fact that there have been a couple of major operations in the last year or so, this is no small feat. We will be anxiously awaiting their trip report when they return.

Jim McHerron, K2ZI has returned to Syracuse from Houston Texas where he was undergoing cancer treatment. We hope to have his presence at some of our upcoming meetings.

Our last meeting of the Millennium will be held at Weber's on December 31, 1999 - the last day of the Millennium.

One more item on which to report: Fred Adsit, NY2V our extraordinary News Letter Editor is suffering from burnout, and we need someone to fill his shoes if we are to have a news letter. Fred has done a remarkable job, for which we are all grateful, and sometimes remiss in showing our appreciation, and it would be deeply appreciated if someone would carry the yoke for a while.

Ed Gersten WB2MWW - Secretary

Chapter 41, Dallas

At a recent chapter meeting Jerry Stover, W5AE, presented an excellently prepared documented program relating his experiences as a young Army Air Corps intelligence officer involved in the Normandy Landing on Omaha Beach on D-Day in World War II. He recently returned to the area accompanied by his son. He furnished an overview of the operation that put into perspective the staggering logistics and obstacles involved. Photos included that of a troublesome German bunker and other fortifications still standing

Chapter Reports

in mute testimony to the terrible events of that historic day. Jerry prepared an unusual memento to present to each member in attendance - a vial of sand from Omaha Beach.

Frank Wolk N5FW, and Jack Kennedy W5DJ, pre-eminent DX-ers, have reportedly again run out of available countries to work and are seeking relief through UNESCO which sanctions the creation of new sovereignties. Bob Ray, W5ZM1, who lives in Tehuacana (TX) and Don Retzlaff W5MIY, who lives in Tawakoni (TX) commiserate over the unlikelihood of achieving high political office due to their town names and are considering relocating to the more politically-correct Olney, Texas. Jack Dye, W5LUE, and xyl Doris attend the national QCWA convention each year and report that at this year's banquet there were no food-fights. Andy



Shown in its newly constructed lodge are charter members of Chapter 41's Covington County (KY) Ringtail Raccoon Hunting & Social Club. Left to right: Barney Moffatt W5CJZ, Protocol Director; Capt. Jordan Jones W5CF, Director-Chapter Flight Operations; and Charlie Skelton W5IBF, Skinner-Scaler & Master at Arms.

ESTABLISHED 1947



COMMUNICATED BY
WIRELESS 40 YEARS AGO?

JOIN OOTC !

THE OLD OLD TIMERS CLUB
3191 DARVANY DR
DALLAS TX 75220-1611
PH: 214-352-4743
FAX: 214-352-5014

Hassell, W5DEM, continues to winter in the Colorado Rockies where he owns a condo near the ski lifts. Andy is best known for his "agony of defeat" ski-feat long featured on the ABC Wide World of Sports intro which non-ski enthusiasts never tired watching. Bert Wells W5JNK, Secretary-Treasurer, and xyl Nadine W5ZUT, are frequent travelers even though Bert's fiduciary bond does not permit him to leave the city limits of Dallas, a chapter-imposed restriction on those entrusted with funds exceeding one hundred dollars (U. S.).

Bob Olney, N5NT, Recording Secretary

Chapter 45, Citrus

It is the last week of December and time to send the quarterly letter to be included in the upcoming Journal. It must be done before the new millennium rolls in, not only because the submission date is January 1st. but it is prudent to dodge any stray Y2K bug. .

Chapter 45 has had a good year. We found a new home for our monthly luncheon meetings and have added six new members to our roll. Two members became Silent Keys.

In December we held our annual meeting and election of new officers. Cloyd Taylor, W4EWZ, was elected as our new Vice-President and Paul Turner, W1DLP was elected to another term as Secretary.

The first Saturday of December was our annual "peel and stick" party. About 50 hams and friends, including a number of QCWA members, gathered at a local middle school. Ready were boxes of approximately 40,000 flyers for the Orlando HamCation to be held in February. Address labels sorted by zip code areas were also ready. We broke up into teams and by noon all the folders had been labeled, packed according to Postal protocol, ready to be transported to the postal distribution point. At noon Papa John arrived with a load of pizza. A lunch of pizza and soft drinks was enjoyed by all, and as a bonus, a ticket to the HamCation was presented to each worker.

Our President, Bob Cumming, W2BZY, attended the November meeting as TI/W2BZY while on vacation in Costa Rica using an Icom 706, Mark II. The QSO was with Al LaPeter, W2IL, using a 706 and Quentin Jones, KU4WD using a 706, Mark II. Conditions were not the best but successful QSO's resulted.

At our December meeting Cloyd Taylor, W4EWZ, demonstrated a new noise blanking speaker he had acquired while in Montana this past summer. A receiver was tuned to a signal with a high random noise component, a flick of a switch and the noise essentially disappeared; Cloyd had been in contact with Carlos, W7CMA, a close neighbor "Montana style", who came over and demonstrated the speaker. Cloyd bought it on the spot.

Citrus Chapter meets on the third Wednesday of each month for luncheon at the Piccadily Cafeteria at 1840 East Colonial Drive, Orlando. We start to gather about 11:30AM. If you are in our neighborhood and would like to enjoy our warm fellowship, and some good food, drop in. Any questions can be answered on our net, 147.195 MHz at 1930 hours local time on Tuesdays.

Paul A. Turner W1DLP - Secretary

Chapter 48, Treasure Coast

We had a great time touring the Harbor Branch Oceanographic facility in Fort Pierce FL. 20 of members, spouses took the bus tour and had lunch in the cafeteria. The three ocean going vessels were in port. We spent time in the museum, the ocean farm, and the various shops and stores on the grounds.



Treasure Coast Chapter Members on tour at Harbor Branch Oceanographic facility in Fort Pierce FL.

We are planning a day cruise out of Cape Canaveral on Jan. 31, 2000. So far, we have 14 members signed up. We hope to have 4 or 5 events throughout the year. We have plans afoot to go to German Night at a local restaurant in May.

1999 was a sad year for the Treasure Coast chapter. We lost the following members, Karl Gansler W4PSG, Ike Roach K4QM, Herb Weimann WA9KWV and Bill Jordan NF8W. All will sorely miss these gentlemen.

Woody Anderson K4FBK - Sec/Treasurer

Chapter 49, Peach State

Our Winter meeting was held on December 4 at Ryans Steak House in Norcross. President Frankie Womack, W4BJT, called the meeting to order at 1PM and welcomed all. Present were 8 members, 3 "Friends", two spouses and three guests. President and VP reports included discussions of meeting agendas and programs, ways to increase member meeting attendance and K4HBI's pipe dreams of an Omni VI+!! A new idea is being initiated by the chapter. We will send a greeting card signed by all the meeting attendees to a member not at the meeting chosen in a drawing. Frankie offered to design and produce a suitable card for the chapter for the next meeting. The Chapter 49 meeting schedule for 2000 is March 4, June 17, September 16 and December 2. All tentatively to be held at Ryans except the June meeting is to be a covered dish picnic at Mary Whatleys QTH in Snellville. Put these dates on your calendars and plan to attend the chapter 49 meetings in the year 2000. Our longtime member and net manager Wendell Cushing K4VN is unable to continue as net manager. Wayne Flickinger W9BKJ volunteered to be net manager and was ap-

pointed by the executive committee. Wayne reports that both nets are going well with good participation. Our best wishes to Wendell and heartfelt thanks from all of us in Chapter 49 for his many years of service to the chapter as net manager, all the officer capacities over the years as well as his role in the founding of Chapter 49.

The biennial election was held at the meeting and officers and directors of Chapter 49 for 2000-2001 are President Mike Swiderski K4HBI, VP Wayne Flickinger W9BKJ and Bob Lear K4SZ Sec/Treas. Frankie Womack W4BJT, Phil Goodman W5YVT and Sandy Donahue W4RU are the directors. Mike will continue to provide meeting programs and Bob will pick up the newsletter editor/publisher duties. All suggestions appreciated.

Frankie thanked the officers and directors who served while he has been president and passed the Chapter 49 gavel to new president Mike as his last presidential act. The ceremonial gavel is engraved "Donated 1962 to the 'Old Timers Wireless Club' by Phil Bangs W4AZ ex 'PB', '4AL'". A piece of our history that predates the chapter itself.

The door prize drawing tickets were pulled by Wayne's granddaughter Sarah Bosnak. A CQ 2000 'Radio Classics' Calendar was won by Mary Whatley after some urging by her guest Ray Hall to select that one from the offerings. In lieu of the greeting card at this meeting we had a door prize drawing for a non-attendee. Maxie Strickland AC4DD was drawn by Sarah and will have a choice of a calendar or logbook. New President Mike K4HBI mentioned the date and program for the March 4 meeting: Ned Mountain WC4X on bicycle mobile operating. Mike also talked about the antique regen receiver he brought for show and tell and Wayne showed a HB Hartley oscillator he had constructed.

President's column from the November 99 Chapter 49 newsletter:

As we approach the end of the year and we prepare to move on into a new year and century, I have mixed emotions. I look forward to the future with continued hope and happiness, and I hope all of you do also. I also look backward with wonder at how time flies by, increasingly faster with each passing year. I read once this appears to be so because as you get older you have a longer frame of reference and each year then is a smaller portion of the total time you personally can remember. As the past two years as your President, I have seen many highs and lows. The lowest was the loss of Jud, the original W4NZJ. He was the spark that ignited a lot of our club activity and put so much zip into everything he did. I miss him a lot. It helps to know that his memory lives on now that Mary now carries on as W4NZJ. The rest of the lows can go unspoken.

The highs are too numerous to list completely, but standouts have been the support of the members who participated in the nets and meetings, especially Bob, K4SZ, and Mike, K4HBI. Both have stepped in and taken care of more than their share when I was unable

Chapter Reports

to get the time. The meeting participation has been a little disappointing at times, but shows signs of improvement now. We have had many excellent programs under Mikes' efforts, and I feel sure they will continue under the new officers next year. Our membership level has continued good due to the untiring efforts of Bob. The concept of "Friends of Chapter 49" as begun by Jud has continued to bring in participation by folks we would not otherwise have available, and I would hope to see it continued. As I prepare to turn over the Gavel to the next President to be elected at the December meeting, I would like to thank all the members and especially my fellow officers for their wonderful support over the past two years. It has been fun, and after all, that is why our organization exists. 73 Frankie, W4BJT.

Bob Lear K4SZ - Secretary/Treasurer k4sz@arrl.net

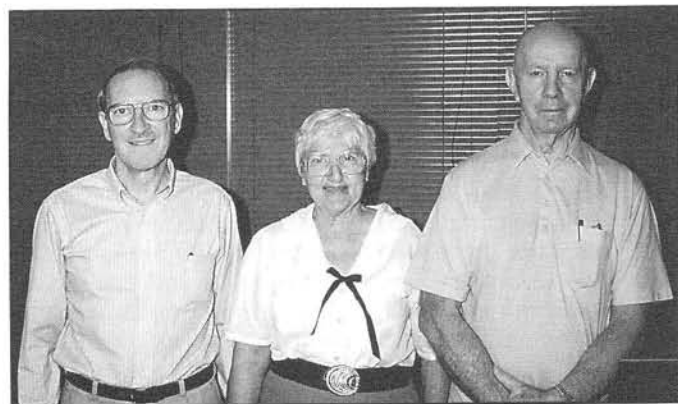
Chapter 51, Tex-La Golden Triangle

Our last three meetings of the twentieth century were held as usual at Dorothy's Front Porch Seafood Restaurant in Beauxart Garden with 25-41 members and guests attending.

A representative of the Beaumont Fire Department who told us about their extensive training program presented our program for October. Beaumont has the second largest fire training facility in the United States and attracts fire fighters from all over the world for training.

At the November meeting Jack Covington, NG5F presented an interesting and informative discussion about RF Propagation. Also at this meeting H. W. Bartlett, W5KWA was presented with the QCWA Century Club Award.

At the December meeting officers for the year 2000 were inducted: Bill Prechtl W3KO - President, Norman



Officers for 2000 (left to right) Norman Helms, K5SAC - Vice-President, Dee Dikes, WA5BEU - Secretary/Treasurer and Bill Prechtl, W3KO, President.

Classified Ad with an attitude

FOUND: Dirty white dog.
Looks like a rat. Been out
awhile. Better be reward.

Helms K5SAC - Vice-President, and Dee Dikes WA5BEU - Secretary/Treasurer

Dub George W5DUB, Bulletin Editor and now Webmaster announced that our web site is up at <http://www.setx.com/qcwa51> and demonstrated the site. He also had a digital slide show of pictures taken at our recent meetings running during the meeting.

Dub George - Bulletin Editor

Chapter 53, Suncoast

In the absence of President Frank W8OK, Vice. Pres. Bob K4AMG, chaired the December meeting. There were 31 in attendance, a good indicator that our "Snow Birds" are back for another season.

We were saddened to learn of the passing of a long time member of Chapter 53, Ray, Dinsmore, W9BYB. In his memory, a contribution was made by the Chapter to the QCWA Memorial Scholarship Fund.

A slate of officers and directors for the years 2000 and 2001 was presented by the nominating committee. As no additional names were forthcoming from the floor, the slate was approved, with the following results:

President: Jack Sproat W4JS, V. President: Bob Siff K4AMG, Secretary: Virginia Menerick, W8MEJ, Treasurer: Bea Pearsall KA9QJS, Directors: Dick Dean N4RD, Bob Avrutik N1RA, John Fyke VE6AIV.

Suncoast Chapter 53 has a luncheon meeting the first Thursday of each month at Denny's, 3701 Bee Ridge Road, Sarasota. If you're down for some of our delightful Florida weather, please drop in—we would love to see ya'll.

Jack Sproat W4JS - President

Chapter 55, Wisconsin

Saturday, October 2, 1999 Wisconsin Chapter 55 met at the Machine Shed Restaurant, (1-94 & Trk Hwy. J) near Milwaukee.

Members and Guests began arriving at 10:30am for eyeball QSOs and refreshments suited to individual tastes. Family dinner served at 12 o'clock Noon and all present competed for their fair share of old-fashioned Pot Roast, Roasted Turkey, and a bunch of other fattening goodies topped off with ice cream for dessert. (Not to mention the clandestinely ordered liquors.)

Lady attendees retired to an animated game of Bingo leaving members to their meeting.

Chairman Verne Teske, W9RYA called the satiated dining group to order, greeting the attendees and guest and asked for a moment of silence to honor our Silent Keys. Chapter members not able to attend for whatever reason were also remembered by those present along with the expressed hope by Verne that we could all be together at the 'next' confab, "God Willing and the Creek doesn't Rise."

Secretary Herb Roehner, WA9UVK reported the Winneconne Spring Meeting which took place at the Fin and Feather restaurant on the banks of the Wolf River, a memorable occasion.



Gus Bonow (r) W9IHW, receives QCWA Gold Certificate from Roy Pedersen K9FHI, at WNA meeting and picnic. (Photo by Lew Sheerar K9JPS).

W9RZW Erv Froelich, long laboring Treasurer gave an accounting of Chapter 55 treasuries. Considering some items still to be accounted (various recent expenses), the bottom line comes out to be around \$500 in the till. Erv gave his personal assurance that no visits to local Casinos or Las Vegas were in any way shape or form included in the accounting. This was for all to know and applauded by the members.

Now, from this point forward, the meeting assumed an animated, adrenaline charged aspect.

Chairman Verne, seeking nominees to assume QCWA Chapter 55 officer positions, opened the meeting to debate the complete absence of officer nominees. Many rose to speak but none offered their undying service to Ch. 55. One member suggested Chapter 55 be dissolved for lack of support by its members. Chairman Verne killed the idea immediately stating that closing the Chapter was not an option. Others rose and spoke their piece and offered ideas to stimulate membership and member activities. Guest Gene, K9UTQ from Chapter 174 Wisconsin Rapids (a member of 55 also) offered several thoughts for our consideration. Plenty of ideas were offered but no volunteer nominees for new officer positions came forth.

Impasse! "To be, or not to be, that is the question."

Ron Yokes W9BCK 'broke the ice' and volunteered to serve as Secretary if accepted by the membership. Ron was immediately drummed into service by unanimous assent. Fergie, W9IEM agreed to serve as Treasurer pending a decision by Ted Stiller WA9RDI, a new member, to serve. Ted later met with Verne and agreed to serve. Verne seemed satisfied to continue as Chairman upon approval of the new slate of officers as fol-

lows: Verne W9RYA Chairman, Ron W9BCK Secretary, Ted WA9RDI, Treasurer.

Meeting adjourned 3:00pm

Ron Yokes - Secretary

(Combined Secretarie's Reports of Herb Roehner, W9TJVK & Ron Yokes, W9BCK)

Chapter 58, Colorado

Thanks to all who have helped QCWA Chapter 58 during the last year! As I write this article Y2K concerns seem to be on everyone's mind, but I suspect that as this is read most will be distant memories.

Just to recap some of the activities of 1999, in August instead of the usual banquet the chapter tried a picnic combined with the membership of the Castle Rock Repeater Group. The turn out was smaller than hoped, but not bad for a first time event. There was certainly plenty of food to go around and the facilities were excellent for visiting under the shade of the pavilion. The weather was delightful.

The last banquet, held the week before Thanksgiving, was at a new venue, Alaya's Restaurant. There were many comments on the fine Italian cuisine and I'm sure we will be back soon. Having the use of the private banquet room made it easy to visit at leisure and gave ample time to our speaker, Bill Leahey - KØMP and his XYL Pam - WØNF, for their Christmas Island (T32MP) DXpedition slide show. It was a real treat!



The November 1999 banquet included a superb T32MP Dxpediton presentation by Bill Leahey KØMP (r) and his XYL Pam WØNF (c). At left is Jim Blecha W9KRE, chapter president.

Chapter 58 hopes to have events during 2000 that continue to provide excellent social opportunities and exciting presentations to the membership. February's banquet will honor those members receiving awards during the year. Our May meeting will be the annual meeting and election of officers. The consensus at the moment is to try the picnic in August again with the CRRG, it's felt that this was a real opportunity missed

Chapter Reports

last year. We will also have a banquet in November, but trying to find a program to match Bill's T32MP story will be very difficult!

There are also many other regularly scheduled activities in which to participate. A breakfast group meets at a Denny's the second Saturday of each month. On Sundays there are both local HF and VHF QCWA nets. In addition, there are QCWA national events such as the QSO contest and national convention. Last, but certainly not least, the QCWA has a very active scholarship program to help the education of young hams. This program should certainly be considered for part of any charitable contributions either now or through your estate.

On the business end of things, the chapter remains in stable financial condition and the officers and board of directors look forward to serving you during 2000. We hope that all Chapter 58 members remain actively on the air and to hear from you soon!

Skip Withrow WBØBBE - Secretary/Treasurer

Chapter 64, El Paso

El Paso Chapter 64 held its annual meeting and Christmas party at Buck's BarBQ on Saturday, December 18, 1999 with 30 members and guests present. Flu season kept several of our regular folks from joining us. Attractive candles, made by Ofelia and Bob Carroll decorated the tables and were presented to the ladies present. Prize drawings were held for a number of gifts.

Results of the election of officers were announced. To be installed in January will be President, Jean Carlson, KØZRD and Directors: Greer Craig, K5VQN and Bob Smith, K5VRF.

A life member, Patrick McAuliffe, K6QPZ, became a silent key on December 9, 1999. We extend our sympathy to his family. A donation to the QCWA Scholarship Fund has been made in his honor.

Jean Carlson, KØZRD, president

Chapter 65, Niagara Frontier

Our annual meeting and banquet in October was held at Schettler's Restaurant with 27 in attendance. The Meritorious Award was issued to a deserving member Larry Rybacki WA2ARA. His very helpful assis-



Left to right: Kathy Rybacici, Award Recipient Larry WA2ARA, and former Officer Bill W2EWT.

tance to Chapter members and his manning Chapter tables at local hamfests made him worthy of this award. Congratulations Larry!

We welcome new member Fred Weir W2UB. He was first licensed in 1973 as WN2NVJ. Fred is employed as an inspector with the US Immigration Service. He is active on 160 meters through 70 CM.

Two of our members have had recent birthdays. George Guinther WB2QCK 91, and Ray Ernst W2TAX 92. Congrats!

Our Chapter 65 Christmas Party was held on 11 December with 26 members present. Lots of goodies!

Some of our members have been enjoying warmer weather in Florida.

Remember our weekly Sunday afternoon (1:30PM) net on 3900 kHz. Come join us. Our NCS Tom W2QI does a great job.

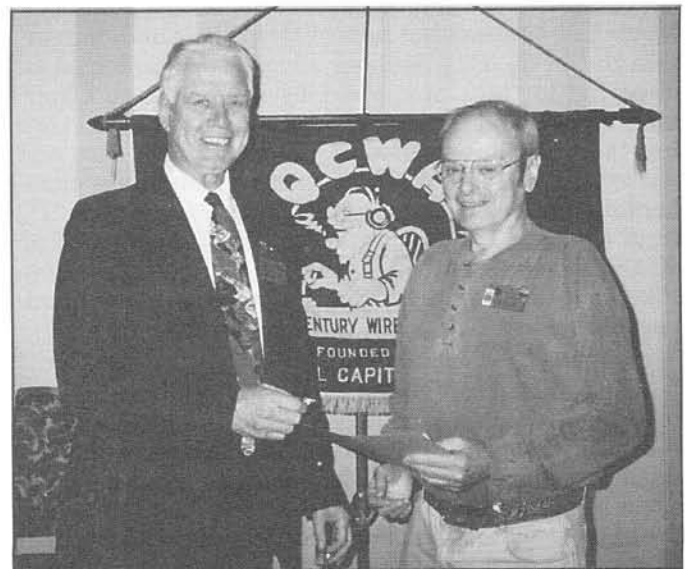
Ken Palmer K2FJ - Secretary

Chapter 70, National Capital

With the beautiful spring weather, an urge to get outside and join nature can be overwhelming. One way to satisfy this desire, while still staying in the "radio" mode, is to do a bit of flying - radio controlled, that is!

Recently a helicopter and a plane were at our Ot-tawa meeting. The heli had a wingspan of 5 ft., was 53 in. long and weighed 10 lbs. The Harvard plane's wingspan was 70 in. with a wing area of 700 sq. in. weighing in at 9.5 lbs! Not exactly large enough for Chapter 70 to board, but as Bob Zieman VE3ATN explained, in the hands of a good pilot, rolls, loops, inverted flight, forward tumbles, pirouettes, etc. can be performed with amazing agility - via use of radio, of course!

Initially 10 meters was used in the 50's and 60's with AM transmission. FM followed this in the 70's and 80's, with pulse code modulation to reject interference. Varying the pulse for a channel early or late in time, adjusted by the joystick, upsets the balance or zero ref-



International Director George Roach VE3BNO (l) presents a 50-year pin and certificate to John Athey VE3GS/VE2GSX

erence in a servo from a decoded pulse in the receiver. The servomotor responds by rotating left or right depending on the adjustment of the joystick to reset balance. Very precise control can be attained. With the microprocessors contained in today's transmitters, programs can be stored to automate aerobatics. In the helis, a rate gyro is used for stability with the more modern gyros using a piezo electric effect.

The Canadian Model Avionics Association here monitors the use of these type of planes, sanctions air fields, and arranges insurance - just in case, since these machines are no toys!

Happy flying - or maybe just watching!

Chapter 70's Executive for the year 2000 has Jim Dean VE3IQ as President, with Jack Tennant VE3AHZ as Past President. Bob Zieman VE3ATN is our Vice President. Joan Powell VE3ZC continues as Secretary/Treasurer with Doug Leach VE3XK and Alan Hiles VE3EEC as Directors.

Joan Powell VE3ZC - Secretary/Treasurer

Chapter 73, Southern Ontario

The meeting, attended by 88 members and guests was held at The Plainsman Restaurant on Hwy # 5 near Dundas, Ont.

After outlining the meeting's agenda, a moment of silence was held for the silent keys, former members and friends of the Chapter. Pres. Earl introduced a number of first time guests to the meeting. Bob Abell VE3XM, John Doidge VE3EUV, Ron Gimbel VE3DBD and his wife Jean VE3CBQ and retired Radio Inspector from the Kitchener office Vern Stroud VE3RVS.

The following New Members who joined since the last meeting were welcomed by Pres. Earl: James Cull VE3ND, Ernest Crump VE3OU, and Robert Jacobs VE3CJW, who were present & Jim Anderson VE3ERA & Garry Hammond VE3XN.

Harold Braun VE3DWH Sec/Treas. gave the treasurer's report indicating the total assets are 4431.19 as of Aug 31, 1999.



Left to right: Harold Braun VE3DWH - Sec/Treas, Bob Morden VE3EIM - Guest Speaker, Earl Mann VE3EHM - President Chapter 73.

HAMMOND MUSEUM UPDATE

The Hammond Museum of Radio was officially opened at the new location, 595 Southgate Dr. Guelph on Oct 2, 1999. From 401 take Hwy 6 north into Guelph, and turn right on to Laird Rd., (second stop light), then take the first left on to Southgate Dr. The Hammond plant is on the left and entrance to the Museum is on the left side of the building. \

For information and to arrange tours contact:
Noreen Irwin 519-822-2960 E-mail:
nirwin@hammfg.com

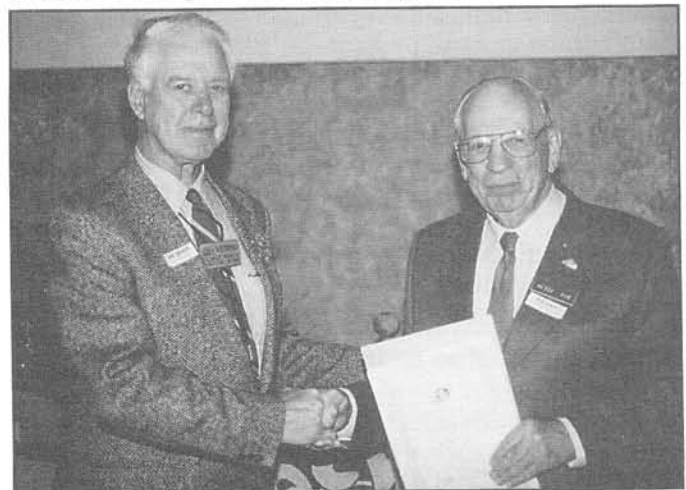


Left to right: George Roach VE3BNO presents 65-year certificate to Graham Williams VE3ST.

QCWA Web Site

Reported, with thanks to Paul Cassel VE3SY, the Chapter membership list on the web page is up to date. No printed version of the Membership Directory is planned for immediate future, so members were advised to refer to the site for member information and e-mail addresses. The site address is <www.kwarc.org/qcwa>

It was announced that Colin Dumbrille, a good friend of many VE3's including the late Noel Eaton



George Roach VE3BNO (l) presents a 65 Year certificate to Robert Boyd VE3SV (r).

Chapter Reports

VE3CJ passed away August 1, 1999, in Bermuda. Colin held many calls and was first licensed as VE2BK. In addition, throughout his career he held VP9BK, VP9C & VE7NN.

George Roach VE3BNO, Director of QCWA from Ottawa presented QCWA Gold Certificates to the following:

65 Years - Robert Boyd VE3SV, Ivor Nixon VE3IHN, Graham Williams VE3ST

50 Years - W. Clarke Bradford VE3WCB, James Cull VE3ND, Dennis Eason VE3BRO, Keith Jones VE3MH, W. L. Morris VE3TM, Hew Prouse VE3FHP, Tom Watson VE3CYL

Pres. Earl asked for volunteers to serve on a Nominating Committee to select a slate of candidates for the position of President & Secretary/Treasurer. The present executive's term expires at the conclusion of the May 2000 meeting. Since there were no volunteers a committee will be appointed, to report to the next meeting.

The Secretary/Treas., advised the organization was now officially affiliated with RAC.

Pres Earl reported that the Convention 2000 committee would be meeting here today, following the conclusion of this meeting. The souvenir pin produced for the convention was offered for sale at \$5.00 US or Can. The circular lapel pin depicts the CN tower and QCWA logo. The 2000 convention will be held in Toronto, Oct 12-15, 2000, sponsored by Chapter 73.

Tom Atkins VE3CDM, President of Region 2, IARU gave his report. Rather than take up a lot of time he suggested that any one interested in detailed information regarding IARU send him an e-mail to keep up to date on activities. His address is <ve3cdm@iaru.org>. IARU will be celebrating its 75th anniversary in April 2000. He encouraged QCWA members to do all they can to encourage growth in the ranks at the local club level. For additional information on IARU see their web site at <<http://www.iaru.org>>

Bob Morden VE3EIM of London, Ontario, guest speaker for today, gave an interesting presentation covering Spy Radios used throughout the World Wars, the Vietnam era and present day use of satellites used in spying. He described some of the training conducted at "Camp X" and demonstrated a WWII vintage ANPRC-5 after his presentation.

The next meeting will held on May 6, 2000 at the "Plainsman Restaurant" beginning at 10:00 AM.

For more information on joining QCWA or about Chapter 73, contact the Secretary/Treasurer at <ve3dwh@kwarc.org>

Harold Braun VE3DWH - Sec/Treas

Chapter 76, Blue Ridge

The Officers of Chapter 76 recently attended a party to honor Harry Mills K4HU the outgoing Chapter President. The photo shows Harry turning over the gavel to George Knudsen W4GCK the new President for the year 2000. This is a great honor to follow Harry who was the Chapter President 25 years ago. Harry and his son were

on a six-week road trip this fall. Harry keep in touch with his friends in Chapter 76 on 20 meter mobile, not bad for a ham that has been active for 75 years. Harry and George were also pleased to present the QCWA Meritorious Award to our Chapter Secretary H. C. "Duke" Knief W4DK. He has dedicated his time and effort to keeping our Chapter the most active Chapter in the country. This in addition to his excellent service as Treasurer of the national organization. Thanks for the help Duke.

George W4GCK

Chapter 77, Northern New Jersey

QCWA NNJ Chapter 77 has been working to provide interesting speakers for our bimonthly luncheons at Mario's Restaurant, Clifton. The group meets the third Wednesday of every even month at noon. President, Silt Fisher, K2GVC has folks lined up and ready to roll for future meetings.

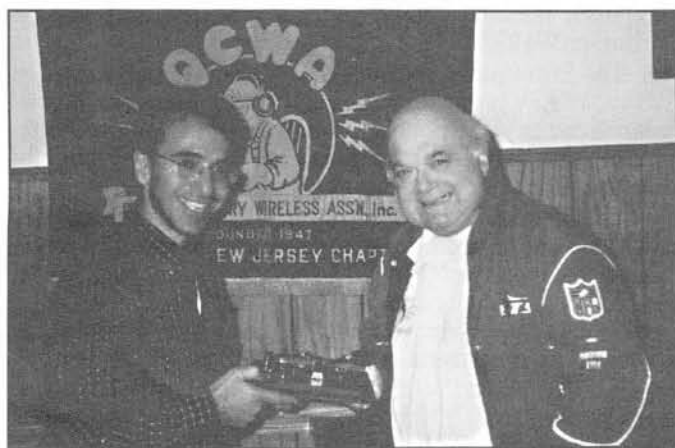
The October meeting featured Pete Malvasi, W2PM who spoke on "Wireless and Spark Telegraphy." Pete showed slides of interest from early Ham Radio and had some "hands on" equipment that many of our gang cracked a fingernail on a time or two. W2PM is VP of BellSouth Wireless Data. Among his credentials is his association with The Museum of Wireless and Steam in Rhode Island. The 27 attendees had a wonderful day. We extend our thanks to Pete for his efforts on our behalf

In December, Chapter 77 welcomed guest speaker, Howard Wolfe, W2AGW. A spry 92 years young, Howard dished out a lively oration on "Amateur Radio - The early Days" and "How he got involved with Dx'ing." W2AGW was manager of Harrison Radio in the 1950's and 60's. He enjoys ragchewing on all bands and is a Charter member of The New Jersey DX Association. Howard holds the number one spot in a few DX categories.

In Chapter 77 news, our ranks grew by 12 members during 1999. Our two-meter net, on 147.030 plus, ably run by Andy Rau, W2IET on Thursday evenings



December meeting back row (left to right): Greg Nitkowski N2BSA, John Burgio W2JB and Bill Fisher K2GVE - Chapter 77 President. Front Row: Gene Niemiel K2GYE (l) and Howard Wolfe W2AGW - guest speaker.



The October meeting left to right: Speaker Pete Malvasi W2PM and Chapter 77 President Bill Fisher K2GVC.

at 8 PM is cooking with 8 to 10 checkins. Propagation on 75 has been poor so the gang shifted, for the time being, to two meters. A Chapter 77 "scouting party" has been dispatched to reconnoiter the 75 meter band for possible return to 3917 KHz. Stay tuned

We hope that those National QCWA members who live in Northern New Jersey will consider joining Chapter 77. Drop a line/email to See/Treasurer, AG2R at the callbook address or ag2r@amsat.org. Applications and a roster will be forthcoming along with the current issue of our quarterly Chapter 77 "blurb", Feedback. Give us a try

Look forward into the year 2000 with joy and anticipation. No matter what your plight, it is how you handle it and reflect in other peoples eyes that is important.

AG2R

Chapter 81, Long Island

December was our month for catching up on awards. Jay, W2DX, received a 65th Anniversary Certificate and Arnold, W2OEJ, received a Century Award. They wonder why I take so many pictures at meetings but they come in handy as these shots of the celebrants show. The December meeting was a Saturday luncheon which is a change for us. It gives a different bunch of members a chance to come out and join us. There were 26 attendees and we may stick to daytime meetings. Oh, yes, the expiring secretary received a Meritorious Award. Thanks HQ.

We hold elections of officers in December and the list for 2000 isn't a whole lot different than 1999. We have a new Secretary, Dan - WA2NDP, coming aboard and he will keep us on track with QCWA HQ. The rest of the



Newly elected officers of Chapter 81.

officers are: President - Marty Miller, NN2C; VP - Sid Wolin, K2LJH; TREAS - Hugo Landerer, W2IGH; Directors: Charles Baker, W2KTF; Andy Cola, W2VZQ; Howard Liebman, W2QUV; Herman Milatz, W2TLC; Ed Pecan, WB2RXG; and Kate Saul, AE2Z. The group photo shows the principal officers for 2000. The December meeting had a turnout of 26 counting spouses (spice?).

Only about a fourth of our chapter members attend meetings although the turnout for a summer event like a museum trip is much better. It would be great to find a way to boost the attendance even higher at the regular meetings.

April 2000 is our chapter's 25th Anniversary. A special program at a posh establishment is planned for the meeting that month and 25th Anniversary coffee mugs have been purchased to commemorate the occasion.

Carroll Hamlet W2QBR, Secretary

Chapter 91, Vic Clark

October Field Trip-PBS "Teleport"

We had a most delightful and educational time visiting the PBS Satellite Systems Teleport "hub" in Alexandria VA. Built in 1978, this is the largest and most complex such system anywhere-the major TV networks don't even come close. I count 14 microwave antennas with diameters from 1.8 to 9 meters.

Bill Hull, N4LRA, the facility's Director of Operations and Maintenance, was our guide. Considering that Bill is the man who designed the facility, and who currently manages it, we were in good hands. Bill is to be congratulated for the excellent facility he has created.

A few bits of information: Emergency power is from a 16-cylinder Diesel engine which drives a 750-kw generator and provides 208-volt three-phase power. The generator auto-starts (in five seconds) and auto-transfers when a commercial power disruption is detected. The 6000-gallon fuel tanks will provide three weeks of emergency power. The amazing thing here was that the entire generator-room was as clean as a whistle-not a drop of oil!

PBS provides stations with at least eight channels of programming, scheduled to accommodate stations in six different time zones. All satellite transmissions, whether from PBS's own operations center or from one of more than twenty other sites, are scheduled and controlled from this PBS Satellite Operations Center.

It really is hard to describe the building, the antennas, and the equipment on the five-acre site: there is so much of a high-technology nature to see, that any description given here would not do justice to the system. I think it best simply to say that this may well be the most enjoyable field trip we've had. Bill truly was an excellent host; he obviously enjoys his work and rightly takes great pride in his facility. If you ever get a chance to visit it, do not miss it! We certainly had an excellent time!

November Meeting-Propagation by N4XX

(By Jack Kelleher, W4ZC)

Our speaker was Dr. Theodore (Ted) Cohen, N4XX, co-author (with George Jacobs, W3ASK and Robert Rose, K6GKU) of the book "The NEW Shortwave Propagation Handbook."

Ted has been involved in communications and electronics for over 40 years. He is best known within the amateur

Chapter Reports

radio community for his early (1964) work in slow-scan television, his pioneering efforts on technical and legislative approaches to radio frequency interference to electronic home entertainment equipment, and the development of simplified techniques for the preparation of ionospheric propagation forecasts.

Ted briefly covered the formation of ionospheric layers (D, E, and F), noting the diurnal and solar-cyclic behavior of the D, E, and F layers; the consequential variations of the LUF and the MUF, day-to-day ionospheric circuit variations, and disturbed conditions caused by solar particle radiation (electrons and protons). He also discussed Sudden Ionosphere Disturbances (SIDs) caused by x-ray radiation from a solar flare. Finally, of course, the presentation contained material on the nominal 11-year cyclic variation in sunspots.

Ted discussed, in detail, the last four sunspot cycles (Nos. 19 thru 22 (1954 thru 1997)) and the behavior to date of Cycle 23, which is expected to peak in early- to mid-2000. He explained that successive cycles overlap and that there are different opinions and theories as to when one cycle ends and another begins.

Ted described how the data contained in the Master and Short-Skip Propagation Charts (e.g., those which appear in CQ magazine) can be used by anyone to make their own 27-day forecasts (numerous examples of these charts and how to use them appear in Chapter 4 of Ted's book).

Finally, Ted discussed various sources of ionospheric data and other means for determining propagation conditions, including the worldwide radio amateur beacon system, WWV hourly broadcasts, and the broadcast in the QCWA International Net. Not to be overlooked, of course, is the wealth of data available on the Internet, and, specifically, from the Solar Terrestrial Dispatch site.

Your reporter has been involved operationally with ionosphere variables for many years, and highly recommends the Propagation Handbook if you are active at HF.

Was this a good presentation? We all agreed that we have to have Ted back so we can learn even more!

December Holiday Party (By Dick Rucker, KM4ML)

Forty-one Vic Clark chapter members and guests gathered to celebrate the season and renew old friendships.

Honors In the absence of President Terry Hines, N4ZH, I took the podium as Vice President to welcome all to the party and to honor some folks. First, the retiring chapter officers and their replacements for the coming year were introduced. We remembered Bob Arrowsmith, K4JN, and Ken Joseph, W4SIG, who became SKs this year. Ken served as the chapter's Treasurer for the six years following its beginning in 1975.

Our Senior Members Next, our chapter's nonagenarians were recognized. Only one of them (Bud) could be there—the others unfortunately (for us) had other obligations: "Con" Concannon, K4RQ, 93 years old, was first licensed in 1920. Jack Kingman, W4JT, 93 years old, was first licensed in 1922. Charles Stay, W4HE, 92 years old, was first licensed in 1922. "Bud" Cone, WA4PBG, 92 years old, was first licensed in 1963 and holds an Extra class license. Bud looked very fit and had a big smile on his face all during the party!

Then our 17 octogenarians were recognized. Those in attendance at the luncheon were: Carl Gray, W4ACM; John Nagley, K4AHS, and his wife Liz; Jack Kelleher, W4ZC, and his wife Margaret; Howard Bullock, W4LBM, looking fit and chipper, probably because he was our "birthday boy" for the

day; Jack Bobbitt, W4HV, and his wife Dee; and Gordon Messmer, W4IQA.

The Entertainment-Music and Magic As impresario Jim Wilcox, W3WV, began announcing the entertainment, he was interrupted by Jack Bobbitt, W4HV, who gave Jim a Christmas present, a large West Virginia state flag. Putting it mildly, Jim was absolutely tickled pink!

The first act was a female a cappella octet, "Venus d Minor," who sang a variety of songs, including a beautiful rendition of the old classic "What'll I Do?" and a very cute, clever, and funny "I didn't mean it when I told you..." song sung presumably by a young woman who had been jilted by her boyfriend for a weekend of skiing with the guys.

Next up was a "world-renowned mentalist" who looked suspiciously like Jim Wilcox to me. He was ably assisted by two volunteers from the audience, Liz Nagley, wife of John, K4AHS, and Michele Carley, friend of Jim Laughter, W4EE.

"Wizard" Jim first determined the serial number of a dollar bill (unseen by him) that Liz and Michele obtained at random from the audience. Then Jim showed a balloon that contained a folded piece of paper. Audience members called out random alphanumeric characters; the balloon was popped and the paper unfolded. It contained several predictions for the New Year and, lo and behold, the exact sequence of numbers and letters picked by the audience! We no longer trust Jim.

Visit from Santa! Santa and his Elves distributed toys to the good little girls and boys (we all qualified). This year, presents included those brought as exchange gifts by the members, a multimeter given by Jack Kelleher, W4ZC, and an ARRL handbook and SWL guide given by HRO (many thanks to HRO; visit them; buy stuff).

Our chapter purchased some gifts for special drawings: Frank Haynes, W4NUA, and Jack Kelleher, W4ZC, each won a miniature Alinco 2-meter transceiver. Santa also delivered three beautiful Christmas tree ornaments and a four-piece set of silver-plated salt-and-pepper shakers.

Jack Kelleher, W4ZC, and John Swafford, W4HU, closed the affair with a few words in tribute to the remaining members of the Society of Wireless Pioneers (SOWP).

Happy New Year to all from Chapter 91!

(Our chapter newsletter contains much more detailed and interesting information about all the above!)

ar vy 73 es gl de w3wv

Chapter 95, Eastern New York



Chapter 95 members left to right: N42J Dave, W2BEJ Tom, KJ2T Dick and WB1M Bill.

Chapter 100, East Georgia

Chapter 100, East Georgia, is doing well. We have an average of 25 people attending our dinner meetings on the third Thursday of the even month. For the month of October we had a dinner meeting at a local seafood restaurant. 22 were present. The President, Don Anderson K4PSW, presented Charlie N. Wright, W4PED, with a golden 50 year continuous license certificate and a pin to match. Charles was surprised as he is still a charter member of the South Carolina chapter but attends Chapter 100 quite regularly. The President also presented Charles with a Meritorious Certificate for maintaining the mail database for Chapter 100 and taking the photos that we forward and maintain in a photo album with captions. Another member of Chapter 100 was presented a certificate. Ewell "Snookie" Jackson was presented with his Century Club Certificate. He has not been a regular attendee but was due the honor and it was presented at his home because of illness. During the meeting we discussed what to do about Christmas and decided to again sponsor the abused children's home with needed items and toys. A list of needed items was given to all and asked to bring what they could or to bring a toy for a child. Chapter 100 then dismissed, chatted a while and departed for home. We are thankful for the support our members give the chapter.

Chapter 102, Dakota

With sadness we have to report that Albert Gull, KØAIE of Edgemont, South Dakota became an SK. He was one of our long time supporters. Just recently, the National Weather Service gave him awards for his weather reporting work. He will be missed.

Chapter members were part of the group of hams that furnished amateur radio communications for the Mount Rushmore 100 mile race through the Black Hills National Forest. This race started at dawn on a Saturday morning in the Southern Black Hills, covering 100 miles of the Centennial Trail that runs through the Hills and ends on Sunday afternoon near Fort Mead just outside the City of Strugis in the Northern Hills. This required hams to be out all night, sometimes in remote locations, they were really needed and appreciated.

Our members also helped in the annual Black Hills Marathon run. It was a 26.4 mile run that began in the Black Hills and ended in Rapid City, South Dakota. One of the check points manned by hams had to call for the ambulance, to assist one of the runners that was having heart problems. Everything turned out well.

Chapter 102 has a Sunday morning net on 3889 KHz (plus or minus) at 8 AM Central Time (1400Z). Net control operators vary and use our chapter's call WØDAK. Join us and check-in, we will be glad to hear from other chapters.

Roger Kehm KØROG - Vice President

Chapter 105, Middle Tennessee

The Middle Tennessee Chapter 105 of QCWA held its first picnic at Seven Oaks Park in Nashville on August 14, 1999. Those members present were Milton Fanning WA4GZZ, George England K4UMW, Wylodean England WA4HKU, Bob Gibson K4CTT, Keith Mueller KD4RXO, Eddie Justice WA4JJY, Jerry Kimble WB9BSH, Michael Campbell NØCQL and O.D. Keaton WA4GLS. Visitors present were: Mary Alice Fanning and Fay Gibson. Everyone had plenty to eat and an enjoyable fellowship. No formal meeting was held therefore no business was transacted.

I feel sure that there will be an annual picnic because this one was so successful.

O.D. Keaton WA4GLS - Secretary

Chapter 109, Baton Rouge

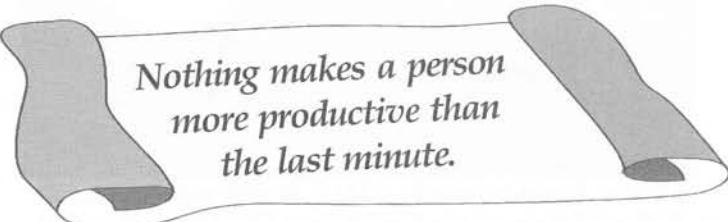
Chapter 109, Baton Rouge held a special luncheon/meeting on Saturday Oct. 16, at Brunet's Acadian Restaurant in eastern Baton Rouge. President, Wayne Gordon K5EOA, opened the event with an introduction of officers and a stand-up introduction of all members and guests. Wayne, then amused the crowd by issuing tickets for door prizes to be drawn while luncheon orders were being taken (Always a big hassle). The member's prize drawn was "Pharoah" KC5ZZ. The guest's prize was won by Elenor Sloss, xyl of K5ZFN. There were 21 members and 17 guests present for the meeting.

The special part of this meeting was to honor our past President El B. Charlton W5MD, who has stepped down from office recently because of declining health. El was the driving force behind the organization of Chapter 109 as well as the main driving power to keep us active. He was tireless in his efforts to keep the membership's interest going strong.

A special memorial award was designed by artistic members of the Chapter for presentation to El by the members to show our appreciation for his leadership. A beautiful meritorious award, received from QCWA HQ, was also presented to El.

It is nearing the end of the year and time for our biennial election of officers. There has been no response to our plea for nominations. A request for nominations from the floor was ignored. Pres. Wayne pointed out that we have no V.P. Frank L. Jamison Jr. W5YSN was nominated, followed by motions to close nominations. The motion became unanimous. Our officers for 2000/2001 will be, K5EOA Wayne President, W5YSM Jamie V.P., K5DVQ Warren S/T, W5OVV, Al B.M. W5URR Bill B.M., and W5LVX George Chapter Historian. Sorry, no pictures were taken.

K5DVQ - Secretary/Treasurer



*Nothing makes a person
more productive than
the last minute.*

Chapter Reports

Chapter 110, Kansas

The autumn meeting of the Kansas Chapter 110 of QCWA was held at the Swedish Crown Restaurant in Lindsborg, Kansas November 13. There were 27 members present.



President Don Fitzgerald KA0EIC (l) and Secretary/Treasurer W0TQ Wendell Wilson at the Swedish Crown Restaurant in Lindsborg, Kansas.

Officers elected for the year 2000 were: Reelected Don Fitzgerald, Salina, KA0EIC President; Larry Lambert, Smith Center, N0LL Vice-President; Wendell Wilson Concordia, W0TQ Secretary/Treasurer.

Next meeting will be in either Clay Center or Longford when a date can be arranged.

Wendell Wilson W0TQ - Secretary

Chapter 111, Palm Beach

Attendance at our summer luncheon meetings was very encouraging. We expect our fall and winter atten-



Chapter President Angelo W2TVE (l) with guest speaker Lt. Richard Schuler of the Florida State Fire Marshall's office.

dance to rise as the "Snow Birds" return from up north. Our search for a permanent restaurant site for our luncheon meetings appears to be over. We finally linked up with a restaurant that graciously rolled out the red carpet for us. They even gave us a private dining room. Past presidents Robert McDow W4KOG and Forrest Haynes K4YPO are doing well and extend their best wishes to their many QCWA friends. We are sad to report that Charley Newell K2GNZ and Frank Mayernik W2ASM have been added to the Silent Key roster. At the August meeting our guest speaker, Lieutenant Richard Schuler of the Florida State Fire Marshal's office, delivered a well-received presentation about some of the arson and bomb investigations he conducted. His talk was interesting, illuminating and spiced with humor.

Angelo Tagarelli W2TVE - President

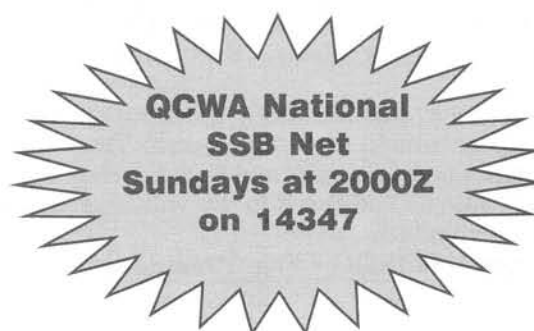
Chapter 112, Yankee

This year's Yankee Chapter Christmas party was held at Dewey's Restaurant in Lakeville, Massachusetts on December 11, 1999. Thirty-three members and guests enjoyed the food and fellowship. At the brief business meeting, it was voted to send a contribution to the QCWA Scholarship Fund in memory of three Silent Keys that had occurred since our last meeting. They were: Eunice Gordon W1UKR, Robert Harnois W1EFZ, and our long time Net Control, Al Fruzzetti K1JJJ. Al's wife, Lorraine, accepted a Chapter award that was to be presented to Al for his years of service to the Chapter as past President and Net Control. Member Dave Rego, W1GCA, has accepted the position of Net Control.

After the meal and business meeting, Larry Smith, K1ILZ, presented an interesting program on his "other" hobby, antique clocks. Larry told us about clock design, how to maintain them, how to buy them, and what to watch for when you take a clock to be repaired. He also displayed some clock parts he has built which will eventually be used in his own hand made clock. Thanks Larry for an interesting and informative presentation.

After a gift exchange and awarding the door prizes, the meeting was adjourned at 3 PM.

Chuck Walbridge K1IGD - Secretary



Chapter 119, Tidewater Virginia

Chapter 119's new banner was unfurled for the first time at the Virginia Beach Hamfest in mid-September and several new members were signed up at our booth. On Saturday afternoon, our QCWA Forum attracted



Trophy awarded to Ron W8RJL as winner. Trophy design by W4PRO.



Ron W8RJL (r), receives trophy for left foot sending competition from Bus K4IX.

quite a few interested hams of all ages, in spite of low overall attendance at the hamfest because of Hurricane Floyd. Main event of the forum was a QLF contest sponsored by chapter 119. Several adventurous participants tried their hand (foot) at pounding out some CW on a hand key with whichever foot they preferred. After a unanimous vote, Ron Young, W8RJL, was declared the winner and awarded a trophy designed for the event. Chapter 119 is now actively planning their mid-winter banquet, which will be held at the Ft. Monroe, Virginia Officer's Club.

Jim Wise W4PRO - Secretary/Treasurer

Chapter 122, Lake Erie Tri-State

The Annual Meeting was held on October 30, 1999 at Boss' Steak and Sea House in Erie, PA. Elections, by-laws amendment proposals and dues restructure were discussed that will have a profound influence on the future of the chapter.

At a previous board meeting, it was determined that prospects for nominees as candidates for offices to be filled in the coming election were not promising, unless nominations from the floor were successful. Of those outgoing officers, only Gerald Owens W3GHO, Vice President, consented to run as an incumbent. As expected there were no nominees, or volunteer candidates, for election for the coming term. With the chapter finances being at risk, outgoing President, Paul Gerbracht, W3QPP, accepted voluntary candidacy for the office of Secretary/Treasurer.

The remaining vacancies of office presented a dilemma, but not unforeseen - a proposal to amend the chapter by-laws was offered as a temporary remedy. A quorum would be appointed, composed of new or elected officers, past officers and/or directors for a total of six representatives to complete a Governing Board. After discussion about board decisions and procedure for appointing the chairman, a motion to accept and adopt the proposed by-laws amendment was passed unanimously for a provisional government. The members of the Governing Board are: Vice President - Jerry, W3GHO, Sec./Treas.- Paul, W3QPP, Directors Sid, W3MMJ, Hank, W13U, Ivan, W3RMF and Dick, W3NGO.

Other business concerned dues restructure proposals not integral with the by-laws, in addition to already Complimentary (hardship) membership and dues



Shirts-R-Us
Order one of the
spiffy new
QCWA
Golf or T-shirts

Order from QCWA Headquarters

Chapter Reports

voucher, it was proposed to modify membership dues by initiating a rebate offer, whereby the dues rate would remain the same, but half the dues would be applied to QCWA National dues. The purpose is to encourage new members to join both the chapter and the National QCWA. The innovation would also be an initiative for present members to remain in QCWA and the Lake Erie Tri-State Chapter, all in one rebate package.

The next chapter luncheon/meeting will probably be held after the dues deadline in April when one paid-up LETS/QCWA member will be refunded chapter dues. All chapter dues delinquent members from previous years will be absolved; payment of current dues will permit chapter reinstatement, provided QCWA dues are paid.

November 27th was the 20th anniversary of Lake Erie Tri-State Chapter 122.

G. Paul Gerbracht W3QPP - President

Chapter 128, Pelican Chapter

The Big Brown Bird Pelican Chicken Picnic was held November 10 at Shelter 13 in Seminole Park. There were 41 members and guests present. Gift certificates were donated by an anonymous donor to be redeemed at Kash 'n Karry and awarded as door prizes. QCWA national officers and directors present as follows:

Croft Taylor VE3CT National Vice President
Alan Pickering KJ9N National Director
Blanche Randles W4GHZ National Taping Services
Wesley Randles W4COW National Historian

Blanche Randles W4GHZ presented the Phil Stern Award to National Director Alan Pickering KJ9N who has many accomplishments in amateur radio. Alan is also the President of the Sun City Chapter 195 located in Sun City, Florida.

The following officers were elected to serve in the year 2000:

President - Jarvie Mullins WA4GJH, Vice President - Jim Eberwine W4APV, Secretary - Kenneth H. Johnson WA4TOP, Treasurer - Don Bice W4PCO, Directors: Wesley Randles W4COW, Alan Pickering KJ9N, Buddy Morgan WB4OMG, Dr. Marshall Ellis WA0FRP

At our December meeting we were again honored by many national QCWA officers and directors. We had National V.P. Croft Taylor VE3CT, John Edel K8LBZ National Director, Alan Pickering VE3CT National Director. There were 26 members and guests in attendance.

Pelican Chapter meets the second Wednesday of each month at Poor Folks Restaurant, 34th Street and 22nd Avenue North in St. Petersburg, Florida. We gather in a reserved room at 11:30 A.M. and orders are then taken for our meal and the meeting proceeds.

Kenneth H. Johnson WA4TOP - Secretary

Chapter 130, Inland Empire

The 1000th consecutive weekly Net meeting of inland Chapter 110 located in Southern California was held on November 27, 1999.

We have had two very faithful Net Control station operators - Leonard Verger KGSS who operated the Net from 1- 499 and Troy Wideman W6HV, from 500 to 999. Both operated the Net Session 1000.



Net control station operators Troy Wideman W6HV (l) and Leonard Verger K6SS combined to achieve 1000 consecutive weekly net meetings.

To celebrate the event, a luncheon was held at the home of W6HG Hugh Graham and his wife Marcia, on December 11, 1999. The Chapter thanked all of those who had helped. K6SS was honored for his services as Net Control and W6HV was presented with a plaque for his on going service as Net Control for three of the Chapter's Nets. Each member who Checked in on the 1000th Net meeting was given a certificate

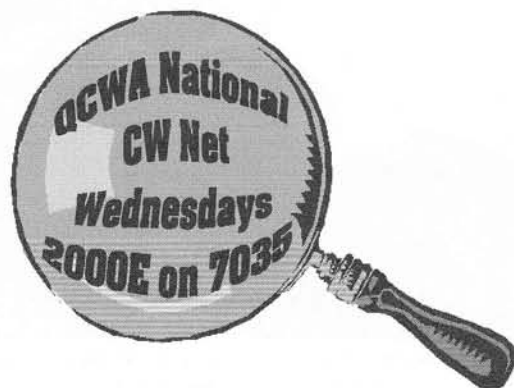
Election of officers was held and the following were elected:

W6HG Hugh Graham - President and Treasurer, KJ6YK Merrill (Buck) Lowery - Vice President, WA6LLB Perry Westrope - Secretary.

Visitors and those who are interested in becoming a member Of QCWA are welcome. You will find us at the following Frequencies and time:

Wednesday 1 .896 MHz 1930 hour local time Friday 3.862 MHz 1600 hour local time Saturday 3.862 MHz 0800 hour local time

Perry Westrope WA6LLB - Secretary



Chapter 148, Hernando

The rain on Thursday held our attendance down for our October meeting. However those in attendance enjoyed a good meal and sane fine 'eye-ball' QSOing. The business meeting was a short one - discussion of the "Welcome Back Snowbirds" picnic, time for next year's dues, and arrival time for election of new officers - that's pretty much the jist of it. We imparted what news we had of Eunice and Bob Gordon. General concern was expressed and sympathy for Eunice and Bob. It appears that they are at home in Homosassa and cards may be sent to that address - 5334 S. Forest Terrace, Homosassa, FL 34446-2333. The chapter expressed their sorrow for this sickness and their sympathy for Eunice and Robert. You are in our prayers. (Last news, we understand that Eunice is back in the hospital).

The picnic was OKed for Thursday, November 11, McKethan Park, Route 41, north of Brooksville. There is a charge of two dollars a car and there is place at the entrance for that deposit. The charcoal for cooking will be furnished, bring your own lunch and it is always nice to have a little something extra for the 'common table'. The tables are covered and we always seem to get a great day for it. Gather any time after ten. We plan to eat around noon. Nancy and I will see you there

Regular meeting will be Thursday, November 18 at the Pier. This is our usual Thanksgiving meeting and we generally collect canned food for the poor folks. They will appreciate whatever you feel you can do. Of course, the usual business meeting and a chance for some 'eye-ball' QSOing.

Misspelled Chet and Ella Swenson and Ron and Mildred Stocker's name in last newsletter and I apologize. My computer is a very independent machine, sometimes goes it's own way. Some of the members may not have received this newsletter as I used an old membership roster for addressing. I apologize for any errors.

I wonder if you have noted the openings on 10, 12 and 15 meters lately. Sunspots increasing and these bands have some real nice openings now. It is astounding what low power will do on these bands. The Continent comes through like it was next door, and it will improve through the winter and into next year as well. Great!

Ed W1OOR (for Eunie)

Chapter 149, Nutmeg

Nutmeg Chapter No. 149 held a regular quarterly luncheon meeting on Saturday, November 13, 1999, at the Paradise Restaurant in New Britain, with 42 members and guests in attendance.

President Wade Holcomb, W1GHU, had to take a little kidding at the start of the meeting. It seems he took the wrong exit off the interstate and landed in downtown New Britain instead of at the Paradise, where we were all waiting for him to open the meeting. Like a well trained, properly equipped and experienced emergency communicator, W1GHU was prepared

and quickly got in touch with us to advise that he would soon be there, only a few minutes late...cellular telephone, of course.

Guest speaker Don Carso, an elementary school principal from Hartford, gave a very interesting talk on the innovative methods used to get the younger kids started with the right attitude and discipline for their education.

Chapter member Chuck Walbridge, K1IGD, QCWA National Secretary, filled us in on the latest doings of the National Board. Our Secretary, W1NFG, Treasurer, K1FPP, and Net/Activities manager, W1KHL, gave their reports that were accepted unanimously.

We have one major problem. Our Newsletter editor, Walt Yatsook, W1ATV, has asked to be relieved of this job due to other commitments. We wish him well. Does anyone know of a good editor looking for the job? We wish someone would come forward before the job lands in the Secretary's lap!

Nutmeg Chapter was an active participant in the Nutmeg Hamfest~ and computer show held on October 10th at Wallingford, attended by over 600 hams. Charles Griffen, W1GYR, and Harold Chase, W1EES, manned a table, greeting old friends and meeting prospective new members, handing out QCWA literature, samples of The Jpurnal and several QCWA and Nutmeg Chapter application forms. Hopefully, some new members will result.

Don Steele W1NFG - Secretary

Chapter 154, Leo Meyerson

After a three-month hiatus, our chapter was off to a great start at its first Fall meeting. On October 21st, our regular monthly meeting was held at our new meeting place, Marie Callendar's in Rancho Mirage. Note that we now meet on the third Thursday of each month.

Our guest speaker was Jim Young, W7FTT, a chapter member, who presented a fantastic talk with accompanying color slides on the birth and death of star formation. The Hubble Space telescope took the slide photos. Jim also presented facts about galaxies along with a myriad of astronomical data. More than a hobby, Jim is a resident astronomer at JPL's Table Mountain Observatory near Wrightwood, CA., and was first hired by JPL in 1962.

On November 18th, our guest speaker at our monthly meeting was Capt. John J. Benoit, Commander of the Indio area California Highway Patrol. Captain Benoit gave a most interesting and informative talk on CHP communications. He described the area covered by his office, various types of radio equipment, frequencies used and repeaters presently in use. He holds an Advanced class ham ticket as WA6IAD.

On December 8th Chapter 154 in conjunction with the Coachella Valley Amateur Radio Club (CVARC) and the Radio Amateur Transmitter Society (RATS) held a joint Xmas party at the Joslyn Senior Center in Cathedral City. This is an annual pot luck affair, with everyone participating and providing their favorite recipes. Along with the food and good fellowship, raffle prizes

Chapter Reports

added to make the party a most enjoyable evening.

No monthly luncheon meeting was scheduled for the month of December.

SILENT KEY-William A. Adams, W6BA

Bill Adams as his friends knew him, passed away on October 29, 1999. He would have been 91 years old on December 30, 1999.

A native of Long Beach, California, he was first licensed in the early '20s as W6AOY. He received the vanity call W6BA some 15 years ago. As a pioneer ham, Bill was the first to work the East coast from California on 10 meters. He also held a WAC Certificate plus deletes. A long time member of Chapter 154, his presence at our monthly meetings will be missed.

George M. Underberger

Chapter 162, Southeast Wisconsin

Our annual meeting and election held at Racine's American Grille Restaurant last October found eight members vying for three director positions. After the smoke had cleared and the ballots counted Larry McCalvy, WA9JMO; Ron Fox, K9AKH; and Bob Jensen, W0WLN were found to be the newly elected directors. There must have been some powerful substance in their campaign philosophy that lingered as they met with the other board members to select the officers for Y2K. The three new directors were elected to the positions of president, vice-president and secretary/treasurer, respectively.

In November the chapter gathered at the Wustum Museum of Fine Arts in Racine for a guided tour of the new Wisconsin Watercolor 1999 exhibit that was to open the following week for the general public. Our tour guide was well versed in all facets associated with the art on display. He explained how the art was selected



Chapter 162's Officers and Directors. Standing L to R: Bob Jensen, W0WLN, Sect/Treas; Larry McCalvy, WA9JMO, President; Ron Fox, V Pres; Ed Konicek, W9NVK; (seated) Spencer Clope, W9LDH; Fern Fisher, W9LCJ and Bill Komistra, W9OVZ (not pictured).



Spencer Clope, W9LDH, Pres of the Chapter celebrating his 90th birthday at the annual Xmas party.



L to R: Larry McCalvy, WA9JMO, President presenting 50 continuous licensed, 50 years since first being licensed and a century award to Bob Jensen, W0WLN the Chapter Sect/Treas.

and displayed for this exhibit. And for us expert-less art connoisseurs, we received a layperson education in form, style, texture, color and paper material - all in the medium of watercolor paint. Most interesting! The second Sunday in December, Chapter 162 faithful gathered at the Chancery Restaurant in Kenosha to celebrate the holiday season and the 90th anniversary of the birth of our outgoing president, Spencer Clope, W9LDH. A fine meal, stimulating conversation and an exchange of gifts preceded the birthday bash. Spence had reached that plateau on Thanksgiving Day, November 25, 1999.

73, Larry McCalvy WA9JMO - President

Remember when Sue was more popular
as a name
than a course of action?

Chapter 165, York County

The Chapter 165 annual Christmas party, ladies night and awards dinner was held at The Alexander's Family Restaurant in York, PA on December 5, 1999. It was one of the more well attended meetings on the year with 30 members and guests in attendance.

After a fine dinner there was a short business meeting in which Ray Shaub W3AXC awarded the Fiftieth Anniversary Award to Charles G.W. Arnold W3PRG. In the picture Charles is shown at the left receiving his award. Also in the background is John Shaffer



Charles Arnold W3PRG (l) receives 50th anniversary award from Ray Shaub W3AXC.

W3SST and XYL After the presentation the group was entertained by Buddy King a nationally know recording personality. Buddy sang with the "Magnificent Men" a vocal group of the 1960's and 70's. Each of the ladies present was presented with a poinsettia plant in observance of the holiday season.

Our president Hugh Quakenbush W1NPS has agreed to serve for another year, and Ray Shaub W3AXC has agreed to continue as the Secretary/Treasurer. George Adams K3MJN was elected to a three-year term as a chapter trustee.

Ray Shaub - Secretary/Treasurer.

Chapter 166, Colonial

Well 1999 has come and gone and with it, a lot of the good times had by the members of this chapter. Two of our outstanding affairs each year are the summer picnic and the Christmas party. Members who miss these good times should make it a special point to altend next year.

At our December meeting the following officers were elected and took office: Tom Jones W3BED, President. Secretary/Treasurer Woody Sbei W3TFW. The following were elected to the post of Director: Alen Bubeck K3GNM, Jim Faries W3AOA, Sam Thompson K3ST and Tom Johnston W3TDZ. With that we are sure

to have an excellent 2000 - a fine way to start off the millennium

We do have our breakfasts every second Tuesday at the Villanova Diner in Villanova, PA on rte 30. Lot 's of interesting discussions on radio in the years gone by. Don't miss out on a very fun experience Bring your stories too.

Unfortunately we lost three of our active members in 1999. Their fellowship will be missed..



From left to right: Tom Jones W3BED, Jim Woods K3YLX (SK), Sam Thompson K3ST, Charlie Stouth W3ZPP, Woody Sbei W3TTW. -Paul Bohlander W3VVS photographer.

We are looking for some new members so check your ham friends and as they become eligible, bring them out to one of our sessions and let us meet and greet them and introduce them to QCWA.

Your Official QCWA Badge



The order blank is printed below. It comes with a standard clip and a bola clip.

Note that you may order it with a pocket clip at an additional cost
Bola ties are also available.

QCWA Badge Order

Call _____
First Name _____
Last Name _____
Indicate whether you want your City/State or your Chapter name and Number as bottom line on badge.
1. City and State _____ **OR**
2. Chapter Name and Number _____
Badge..... \$7.00
Pocket Clip (\$2.00).....
Bola Ties (\$2.50).....
Bola tie color(circle one): Black, Blue, Brown, Green, Red and White.
Total Cost.....

*Complete in full and mail with your check to:
QCWA, 159 East 16th, Eugene, OR 97401-4017*

Chapter Reports

Chapter 181, Hudson Valley

The Chapter held two meetings, on October 2 and on November 13, at the Sea Star Restaurant Diner, White Plains, NY. We had 25 and 22 members and guests at the two meetings.

At the October 2 meeting, we were fortunate to have Steve Weinstein K2WE with us. Steve presents an outstanding slide show and talk about his two recent Ham visits to Vietnam. He had served there during the war as a Morse Intercept operator. This involved several flights a day in a small plane to monitor the Morse Code messages used by the enemy. His hosts on the visit arranged to take him to the location where he had been based. He said there were few signs of the war visible now and most of the people he met knew it only as a piece of history they had heard about. A number of elegant hotels have been built and the room rates are phenomenally low. He is thinking it might be an alternative to Florida in the winter. His hamming was very successful! He used a station maintained by the few Vietnam hams. He put out a CQ de Vietnam and the world was on top of him!



Chapter 181 members and guests at the November 13 meeting. Photo by XYL of W2OZA.

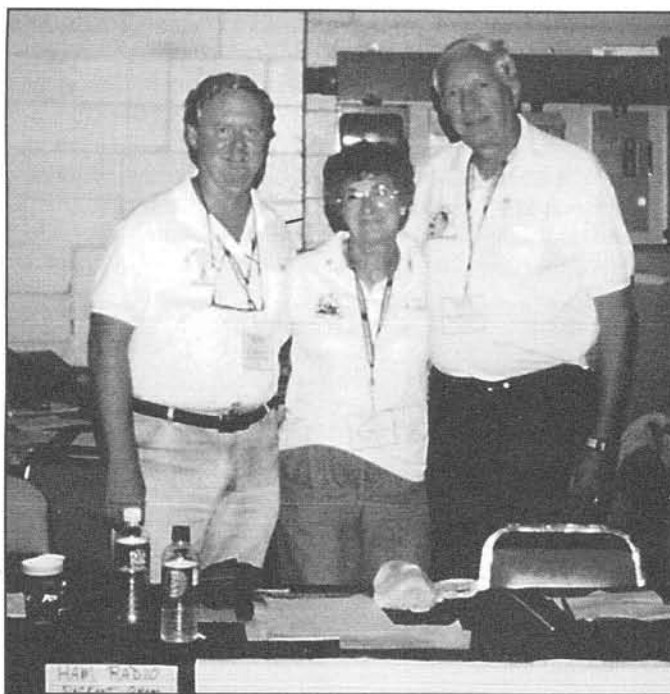
At our second meeting, reports on how they had become hams were presented by Manny Cohen K2ILF and Stan Egelberg W2WQK, and by President, Harry Moore W2JQS.

All, visiting with old friends, had a good time. The meetings closed with our traditional prize drawings.

Dick O'Brien NJ2J - Secretary

THE JOURNAL IS AVAILABLE FREE TO
BLIND PAID-UP MEMBERS ON AUDIO
CASSETTE TAPE. FOR MORE
INFORMATION, CONTACT
TOM CARTEN, K1PZU
(tfcarten@kings.edu) or BLANCHE
RANDLES, W4GXZ
(w4gxz4@juno.com)-(MAY 1-OCT. 1) 44
Western LN.
Amherst, MA 01002 PH: (413) 256-
0179; and (OCT. 1-MAY 1) 6002 N.
Fremont, Tampa, FL 33604
PH: (813) 870-0867.

Chapter 196, Edison



Left to right: Tad Burik WA8PXL, Jan Scheuermam KJ4N and Gene Filippini AG2R at the Miss America Special Events Station in Convention Hall, Atlantic City, NJ.

Chapter Reports by
April 1, 2000



T
-
S
H
I
R
T
S



Sizes SM to XL - \$13.00/ea.
XXL to XXXL - \$15.00/ea.

Order From:

QCWA

159 E. 16th Ave.
Eugene, OR 97401-4017

Rules for the 44th Annual QCWA QSO Parties

QCWA cordially invites all to participate in the 2000 QSO parties. All licenced Radio Amateurs world wide are invited.

Time/Dates: Two parties will be held in 2000. The first one shall commence on **11 Mar 2000 at 1900 Hrs UTC** and the second one shall commence on **16 Sep 2000 at 1800 Hrs UTC**. Each will run for a **period of 24 Hours**. Both CW and Phone modes may be used.

Frequencies: The following 15 Bands may be used:-

1.8: 1.800 - 2.000	14.0: 14.000 - 14.150	28.3: 28.3 - 29.7
3.5: 3.500 - 3.750	14.2: 14.150 - 14.350	50: 50.0 - 54.0
3.9: 3.750 - 4.000	21.0: 21.000 - 21.200	144: 144.0 - 148.0
7.0: 7.000 - 7.150	21.2: 21.200 - 21.450	220: 220.0 - 225.0
7.2: 7.150 - 7.300	28.0: 28.000 - 28.300	UHF above 420 Mhz

Any station may be contacted on any or all of the 15 bands for a maximum of 15 QSO's per station, with no more than one QSO per Band. Any station in the same chapter may be counted only once, for a maximum of one QSO per station. No contacts on WARC bands are permitted (10, 18 and 24 Mhz Bands). No Cross Band or Repeater Contacts are allowed.

Suggested Starting Frequencies:

CW: 1.910: 3.540: 7.035: 14.040: 21.050: 28.050

Phone: 1.910: 3.890: 7.244: 14.262: 21.365: 28.325

Calling (CW or Phone): CQ QCWA

Information Exchange: Fill Columns on the Log Form. For the "year" column, indicate the last 2 digits of the year the station operator was first licenced. If the contacted station does **not** belong to a QCWA chapter, show only the State, Province or Country of its location. The latter would apply to Non QCWA members as well as to QCWA members who are not affiliated with a local chapter. **Do Not mention the term "At Large" (AL) as was done several years ago, as this can be confused with AL for Alabama.** For Band info, simply indicate one of the above 15 Bands in the "band" column.

Scoring: Each Phone QSO is worth **one contact point**. Each CW QSO is worth **2 contact points** (show 2 points in the QSO Points Column on the Log). A **Multiplier of one point** is given for each QCWA Chapter worked and for each State, Province or Country reported from stations not belonging to a QCWA Chapter. A total of **only one** multiplier point will be given for each State, Province or Country. A **Multiplier of 3 points** will be given on each of the 15 Bands for working our Special Events Station **W2MM**. It is hoped to have this station active throughout the two parties.

Sample logs and a summary sheet may be requested from QCWA Headquarters with an SASE. Address is 159 East 16th Ave., Eugene OR 97401-4017.

Contacts with QCWA Memorial Station W2MM count as **THREE MULTIPLIERS** on each of the 15 bands. **Note:** W2MM will be operated by one of our local chapters. Members of that chapter, and non chapter Members within 50 miles (80 kms) will be permitted to work W2MM only once for a total of 3 Multiplier points.

Awards:

Certificates will be issued for the top 3 World Scores.

A certificate will be issued for the top score in each participating Country.

Send Logs to: **WØHXL, Dick Newsome, 2924 North 48th Street, OMAHA NE 68104-3726, U.S.A.**

Name	Call	Final Score	
Address			
Chapter #	Novice (Yes/No)	QCWA (Yes/No)	QCWA Member #

[illegible]



Radio Reminiscing from the Ukraine

By Vladimir Skrypnik, UY5DJ

"Voluntary Organization of Assistance to Army, Air Forces and Navy". I found a radio club, submitted my papers there, passed the exams, and soon got my first novice license with the call sign UB5EFP.

I built a three-stage AM 28 MHz transmitter with the same 6P3S as a power amplifier. For receiving I built a three tube super heterodyne receiver for four amateur bands. Within a few months, I had completed my homemade station, and I was ready to make my

I was born in 1948. My parents, like most Ukrainians following WWII, were hardworking but very poor, and our collective poverty was compounded by shortages of everything

As a school boy in the fifth grade, the school library provided my introduction to the wonders of electricity and amateur radio. After completing my school lessons, I spent a couple of hours daily in the school library until I had read almost everything the library offered about electricity. I remember vividly my first electrical experiment: it was a simple electromagnet formed with an iron nail and some copper wire. I could hardly believe that I had successfully completed my first experiment! This event so impressed my young mind that I continued to search the library for other experiments.

However, I soon discovered that I would need radio components, and it was impossible for me to buy them. But my young mind would not rest; I was continually searching for parts, and cast-aways rescued from the garbage became my treasure-trove of parts. On our way home from school, a few of my friends and I would look in the garbage piled behind plants producing electronics parts. In such a manner I collected parts - both good and bad, familiar and absolutely unknown. Some of these parts were used in my first construction projects such as crystal radios for AM broadcast reception.

Inspired by such successes, I was soon overcome by the strange illness that infected all the Ukrainian schoolboys of the 1960s: the pocket radio. Such small receivers seemed to be a miracle of engineering, but our industry made very few of them. And, of course, their price was far beyond the means of most of the population. Driven by my desire for a pocket radio, and with the schematics and parts available to me, I built my own pocket radio. My parents were very proud of me and my (soap box) pocket radio, and they were very impressed that this produced news and music without an outside aerial and without being plugged into the ac mains.

All of my childhood radio knowledge and experience came from the school library and my experiments at home. It was only natural that my young mind would lead me to experiment with radio communications. My first attempts were done in the upper part of the AM broadcast band. This choice was made because ready-made receivers had become available at home. I reasoned that all I would have to do was build a simple AM transmitter, and this I did. I used a 6P3S oscillator (the Russian equivalent of the famous 6L6) and connected its plate circuitry with the plate of an audio power amplifier. I connected the microphone to the LP input, and amplitude modulation was achieved. When the oscillator was on, I was on the air; when it was off I received answering signals. Soon, of course, we schoolboys understood that this process was unlawful, and I began to wonder how I could get an amateur radio license.

By reading magazines in the library, I learned that (in the former USSR) amateur radio was under the formal guidance of DOSAAF authorities. The abbreviation DOSAAF means (in Russian spelling)



Author Vladimir Skrypnik UY5DJ at his home station

first call. I had even made my own carbon microphone. It was a big plastic box with a carbon telephone cartridge, audio transformer and battery inside. Building and adjusting my own amateur station had taken a lot of work and time, and at last the long-awaited moment came: I established my first QSO. It was October 1965...

This was just the beginning of my amateur career, and I soon realized that I needed to improve my equipment and knowledge. 10 meter AM no longer satisfied me. It would be necessary to study Morse code and learn more radio theory. But as always, I would have to do this by myself and at each step of the ladder, I would have to build my own equipment from almost nothing. But to do this, I would need more technical knowledge.

By this time I had finished secondary school, and I had the opportunity to study at the Institute of Radioelectronics (it is now called the Technical University of Radioelectronics). There was no question in my mind; I would study to become an engineer. I soon found myself living the busy life of an engineering student complete with lectures, seminars, and laboratory sessions. But much to my disappointment, although there were other radio amateurs at the Institute, there was neither a club nor radio station. It was necessary to create the first ones at the institute. When I look back at my busy student days, I'm surprised there was time for all of this. In any case, I dedicated my spare time to organizing the radio club. I went to the Institute authorities and tried to explain to them how important such activities would be in the lives of the students and how it would enhance their education. We were given a room and some surplus equipment. Our club station, UT5KDS, soon appeared on the air! I

soon initiated a Morse code training course to increase our on-the-air activities.

The intense activity of my engineering studies, and my extra-curricular amateur radio activities, caused the years to pass as quickly as a single spoken word. Almost before I realized it, I was accepted as a transmitter engineer. Young specialists were needed everywhere, and this included the institute. It was here that my knowledge and experience in scientific research began to grow. And during this period, I became aware that our country's radio amateurs were very poorly equipped and that since we did not have access to modern, factory-made equipment, we must design and build our own. I dedicated my newly acquired engineering skills to improve this situation.

Methodically and persistently, I began to redesign and modify various circuits for receivers, transmitters, transceivers, and measuring devices. At first nothing worked to my satisfaction, but gradually I began to turn out successful designs to share with other radio amateurs. And all my hard work paid off: in 1972 some of my best designs were displayed at an exhibition of creativity by radio amateurs. In this manner I gained recognition and my designs became popular. My designs were regularly displayed at exhibitions, and they won awards at the highest level.

Other radio amateurs became interested in my designs and construction projects. I began writing articles with detailed descriptions. It was a long and difficult process to become an author in amateur periodicals in the former USSR. But those barriers were overcome, and after several unsuccessful attempts, the door to publishing was opened. My first article was published in *Radio* magazine in 1974, but in the following five years, many of my articles were refused - I was too young, and too unknown.

However, after a few more successful exhibitions, my name was more recognizable, and the age-based threshold was overcome. My published articles were detailed descriptions of a wide variety of amateur gear. Positive reader reaction inspired me to prepare and publish over 30 articles in magazines and books. My own book was published in 1990, and it was totally sold out almost immediately. This book contained fifteen measurement devices for testing, aligning, and measuring home-built HF gear. My next book was printed in 1993. It contained complete descriptions of numerous BASIC programs for radio amateurs. But, unfortunately for my book, when the former USSR was destroyed, my book remained in Russia, where it was printed. The great delay in publication caused a loss of timeliness, and reader interest for BASIC itself decreased dramatically.

During the days that Ukraine was a part of the former USSR, if someone wanted permission to contact radio amateurs from "capitalistic" countries, it was first necessary to have the high degree in radiosports. This degree could be received only by taking part in competitions. However, good equipment, antennas, and operating skills were necessary for success. In Ukraine, of course, all amateur equipment was handmade. I achieved all amateur privileges by hard labor, and now for over 25 years I have held the first category license. To accomplish this I operated both CW and SSB on HF, participated in many contests and in 1975 I was awarded the highest degree: The Master of Sport. For my contributions to amateur radio I was ranked in the former USSR as The Honorable Radist.

On the air I've met many good friends. In the Fall of 1978, I wanted to make a 50 Watt transistor PA. I wanted to use transistors instead of tubes in one of my designs. I found the schematic in a book but it used American transistors. To select a replacement, it was necessary to determine the parameters. I asked Mike Glow,

VE7AQR (now VE7VX), whom I met on 20 meters, for help. Mike responded by finding all of the data that I needed. Our friendship has continued during these 20 years and we continue to keep in touch.

Throughout these many years, Mike has understood my passion for design, and my lack of technical documentation. He made me a surprising gift: he sent me the best of the ARRL technical books available at that time. I was delighted because it was, to me, an inexhaustible source of knowledge and as a designer. I matured using these books. I freely confess, that many of my successful projects were related to these magnificent books. This library is almost 20 years old but I have no better ones, and I still rely upon them. The newest ARRL Handbook I have is the 1979 edition. I shall always be grateful for Mike's thoughtful gifts. Another door of amateur radio activity was opened for me about fifteen years ago. I became interested in computers and packet radio. And, as with all of my amateur radio equipment, my computer is home built. My first introduction to computers came by reading amateur radio magazines. I built several 8-bit computers from discrete components. This was a lot of work but my intense interest caused me to achieve more and more. And step-by-step I continued to strive for better performance, but I was limited by homemade hardware.

During a QSO, when a ham from Germany Karl, DL6MER, heard that I was still working with such ancient computer technology, he decided to make me a gift. Karl sent me some parts from an old unused 286 machine. It was a 10 MHz version with 640 KB of memory and 11 MB of hard disk. In a short time, using these parts, I built an IBM compatible computer. This was a significant technical advance, and for a time, it replaced my interests in HF design and construction. And soon I was no longer afraid of the new computer technology. I now tried RTTY, and soon thereafter AX25 packet radio communication captured my interest. I first started on 14 MHz, and later moved to 10 MHz. It was too complicated to ensure 300 bauds connection there, but nonetheless I spent almost two years on HF packet. Sometime later, the first BBS appeared here in Kharkiv, and my packet activity moved up to 144 MHz. Two years ago our BBS system operator closed this AX25 BBS and converted everything into an Internet gateway... Yet another new door to amateur radio was opened to me.

After all has been told involuntarily there is a question: "And what I have got from radio?" You see I have given back to this hobby one third of century - the most part of my conscious life. It is difficult to answer this question by one word. Due to this enthusiasm I have received my professional orientation. Besides, I hate had an opportunity both useful fascinatingly, to spend my free time. The radio amateur hobby is many-sided and in the course of time, opens new opportunities. Time does not extinguish the desire to try and learn something else. Because of my enthusiasm, I managed to meet many friends in different countries. The long-term dialogs with them has allowed me to learn about life in these countries, more than I would have learned from official sources. When one mentions radio amateur's brotherhood and ham spirit, I know exactly what that means.

Anyone is welcome to e-mail me at the following addresses: uy5dj@uy01l.ampr.org or uy5dj@yahoo.com or even uy5dj@uyu01l.kha.ukr.cu. My mailing address is: Vladimir Skrypnik, Pravidinska 58, Kharkiv-107, 310107, Ukraine.

In summary, I would like to thank my friend Dave W7DE for a patient perusal and editing of my story. ♦



RADIO CALL LETTERS

OR

When three were enough

By Jack Goforth K4IBP

As a youngster, I can recall at night, listening to an AM radio near my bed. This was during the golden age of radio, a few years before FM, TV, rock and roll, top 40, and the boom box. I had learned that after I went to bed, if the volume was kept really low, I could get away with listening to those mysterious "far away" sounds of distant radio stations without awaking my parents.

It was so fascinating to take a radio tour of the major cities of the nation from my own bedroom. I will never forget the thrill of listening to WWL in New Orleans and the big bands playing at the Blue Room of the Roosevelt Hotel. There was a routine, I became accustomed to checking in with WOWO, WSM, WSB, KDKA, KYW, WOR, WJZ and many many others.

I wondered why some stations had three letter calls, such as WSM, while others had four letter calls such as WNOX, I just assumed the three letter stations were older. Actually this was not true in all cases.

Years later, when I was working as transmitter supervisor at WPGC AM-FM in Washington, D.C., I had occasion to meet a man that knew all about those stations. He was a broadcast consulting engineer for many of them, and recalled for me the amazing stories of how they came about. He spoke of the development of some AM broadcast stations from meager "ham radio" communication stations into 50,000 watt clear channel giants.

How fortunate for our country to have free unrestricted Amateur stations basically unregulated and free to develop all the concepts of radio. By the time the government realized what was happening, free broadcast stations were too numerous to shut down. It was his opinion that had the amateurs been more tightly controlled, as was the case in Europe, US broadcast stations would have almost certainly been government controlled by a socialist scheme similar to England, France, Germany and the rest of the world.

In the early days of radio, even after amateur radio operators were experimenting with voice transmissions, few could envision the use of radio for anything more than point-to-point communications. Most viewed radio as simply the telegraph without wires, or "Wireless."

Perhaps two different interests were the first to see an advantage for radio for more than just point-to-point message passing. One was the church, and the other was the avid sports fan. More than a few amateurs provided their church with the use of his microphone and the required technical assistance to allow local church services to be heard by beloved sick and shut-in members. Also, it was soon discovered that if you could give the scores of athletic events over "voice" radio, why not tie a telephone line to the transmitter and have someone provide more detailed play-by-play or blow-by-blow descriptions of the contest. These concepts, along with amateurs playing phonograph records through their transmitters served as an incentive for people to obtain primitive radio "crystal sets" to "listen in." An "audience" provided incentive for some amateurs radio operators to provide more "creative programming." Amateurs sometimes played the piano, had school choirs perform and recited poetry on his microphone for those he knew were listening. Many believe this is when the term "Ham Radio" really started.

Prior to the "Radio Act of 1912" US radio stations both ship and land based, generally used the initials of the operator or abbreviations of the ship's name. Call letters were basically "self assigned." With the adop-

tion of the "Radio Act of 1912" by the United States, this practice became formalized under federal authority. Under an international agreement, call letters were allotted among the various nations. The 1913 edition of "Radio Stations of the United States" records the contemporary practices for allocating calls for land and sea stations, which at that time were few enough for all to be accommodated by three-letter calls. The call letters assigned to the United States were all combinations (676) beginning with the letter N and all (676) beginning with the letter W, and all combinations (598) from KDA to KZZ, inclusive. All combinations beginning with the letter N were reserved for Government stations and in addition the combinations from WUA to WVZ and WXA to WZZ were reserved for the stations of the Army of the United States. The policy was that coastal ship station calls started with a different letter from that used by the land stations they communicated with. Coastal ship stations were assigned W— calls in the West and K— in the East, while the reverse was true for land stations, with K— in the West and W— in the East. Amateur and experimental stations fell into a separate call sign scheme. The U. S. was divided into nine radio inspection districts, and amateurs received calls beginning with their district number and followed by a pair of letters, for example 4BX. As the range of amateur stations increased it became necessary to "internationalize" their calls, so in 1928 W and K prefixes were added.

The flood of broadcasting service authorizations that began in earnest in December of 1921 served to overload the assignment of three-letter calls. Before the crunch, the Bureau was able to assign three-letter call signs to about 180 broadcasters. In late January of 1923, the current boundary of the Mississippi River was adopted as the boundary line for the assignment of W or K call letters for land stations. The boundary had previously been roughly the Rocky Mountains. This meant new call grants in North and South Dakota, Nebraska, Kansas, Oklahoma, Texas, Iowa, Missouri, Arkansas, and parts of Minnesota and Louisiana became K's rather than W's. However, existing stations west of the Mississippi river were permitted to keep their now non-standard W calls. Thus pioneer broadcasters such as WKY Oklahoma City, Oklahoma; WOI Ames, Iowa; WHB Kansas City, Kansas; and WDAY Fargo, North Dakota, remain as monuments to the period before the boundary change.

The June 30, 1931-edition of Commercial and Government Radio Stations of the United States listed 93 three-letter broadcasters out of a total of 631, about 15% of the stations. It was only in the post-World War II boom, when stations came to be counted in the thousands, that these calls have faded into relative obscurity.

As I reminisce hearing those "far away sounds" of the old three letter broadcast stations on my bedside radio, a feeling of reverence still enters my mind. These are wonderful memories of that remarkable "age" of radio, now gone forever. Just as the yellow "glow" of the filaments of big final tubes are now only a memory, they will always be revered by those of us fortunate enough to have experienced the mystique and wonder of them in their day.

References:

200 meters and down, by DeSoto

Three letter calls, by Thomas White

1913 edition "Radio Stations of the United States"

Landlocked seaman salts ham chatter

This nonagenarian keeps his dance card full and the airwaves lively with the patter he spins out on his ham radio.

By Jim Tunstall
of The Tampa Tribune

Reprinted with permission of The Tampa Tribune, David Hardin Assistant Managing Editor. The Journal extends its thanks to member Bob McDow W4KOG and Central Florida Chapter 107 for providing the information for publication. The article appeared in the July 11, 1999 issue of the newspaper.

ZEPHYRHILLS - Don't get Charlie Baptist started.

At 90, he can talk the ears off an elephant

Four decades as a merchant seaman gave him plenty of ammo.

But his real gift for gab comes from 71 years behind a ham radio mike.

He puts a real spin on things. Call them Char-lie-isms.

"I have a memory that won't quit - when I can get it started."

"Some people are stupid. And they go to college to improve on it."

"I married the same [woman] twice. Divorced her twice, too. These days, I only keep the best company. I live alone."

What a character.

Even his telephone answering machine has spunk.

"Friends, fellow hams, please wait for the beep at the end of my monologue ... Salesmen, solicitors, con artists, hang up. You're wasting your time- I'm broke."

Speaking of which, his call sign is W1PB for "Whiskey 1 Poor Bum."

He's certainly rich in personality, though.

"He keeps things lively," says Ernie Vanselow, rolling her eyes.

She's president of the Zephyrhills Area Amateur Radio Club.

She and her husband, Bill, "met Charlie through the club. He's a pretty amazing guy.

Charlie goes to Zephyrhills High School which is used as an evacuation center during emergencies or disasters, like hurricanes.

"He's stays there for more than 24 hours at a time."

That's one service hammers provide: communications when other systems are knocked out. Their signals get through even in power outages. The radios can run on batteries, solar cells or portable generators.

On the flip side, most get into this hobby for the fun of it.

Charlie, a Bronx native, got his first license in 1928.

He moved to Zephyrhills in the mid-1960s.

"I was driving through, liked the water they served in the restaurant and bought a house that afternoon," he recalls.

Charlie says he's witnessed an about-face in ham communications.

When he broke in, "90 percent was done in [Morse] Code. When they tested you, you put the headphones on and wrote down

what was being sent on an auto-sending machine. If you passed, you went to the written test"

These days, 95 percent is voice communication and the lowest level license doesn't require code knowledge, Ernie says. But the technology is the same. A radio signal is sent through the air, hits the ionosphere and bounces back to earth, where it's received. Sometimes, the process is repeated several times, opening the world.

"The antenna you use helps determine how well and how far your signal will go," Charlie says. Time and atmospheric conditions determine where it goes. In the morning you can pick up Europe. Then South America, then the West Coast and, early in the morning, New Zealand and Australia."

Hammers generally use everyday English. But there are a few bits of jargon - QRT for ending a conversation; QRS to ask transmitters to slow down and QRM to say you're getting interference.

There are some 500,000 ham radio operators worldwide, Charlie says.

They're licensed by the Federal Communications Commission.

The cost to get started?

Charlie and Ernie say beginners can get into their hobby for as little as \$200 if they want to rely on a shorter-range radio. But new systems that are capable of reaching across the globe cost nearly \$1,000, if not more.

That gets you a radio, power supply, antenna, tower and rotor.

"It's like buying an automobile," he says.

"What the hell do you want to buy and I'll tell you what it will cost."

Charlie's wall, which he calls a "bulkhead," is a legacy to his years and distant contacts. It's covered by QSLs, the ham world's version of business cards, though they're about four times bigger.

Some of his came from as far away as the Orient and Antarctica.

"If you communicate with someone, you're supposed to send each other your QSLs," Charlie says. "It's your way to prove you communicated with them."

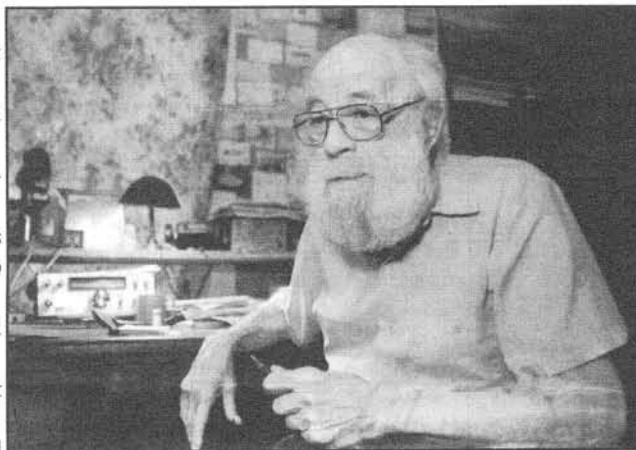
That's important to hammers.

First, there's bragging rights. Second, they get certificates for certain milestones - including one for getting QSLs from every state and another for getting one from 100 countries.

Like most folks in their 90s, Charlie is set in some ways.

He has a radio routine.

At 8 a.m. on Saturdays, he's gabbing with members of the Quarter Century Wireless Association, operators whose licenses were issued 25 or more years ago. Later in the day, it's the Old, Old Timers Club - those whose licenses are at least 40 years old. Sunday mornings, he's on the Florida net. ♦



Charlie Baptist, above, at 90 years old, has been a ham radio operator for 71 years. ANDY JONES/Tribune photo

QCWA Welcomes New Members

DATE	MEMNUM	NAME	CALL	CITY	STATE	SPONSOR	SCALL
10/04/99	30075	ERNST, STEPHEN C	W7KQZ	DUNCAN	AZ	-	-
10/04/99	30076	GOERING, GEORGE J	K2DCL	RYE	NY	JULIAN HEILBRONER	WD2ADT
10/04/99	30077	TODD, JAMES A	KC70KZ	HILO	HI	-	-
10/04/99	30078	YOUNG, RONALD R	W8RJL	VIRGINIA BEACH	VA	ELIAS ETHERIDGE	K4IX
10/05/99	30079	WILLIAMS, DAVID C	K7HMP	STERLING	VA	JAMES LAUGHTER	W4EE
10/07/99	30080	REISER, JOHN W	WQ4L	MT VERNON	VA	JAMES LAUGHTER	W4EE
10/08/99	30081	SKOK, THEODORE J	KB9NJU	DOWNERS GROVE	IL	-	-
10/12/99	30082	GLASSMAN, JEFFREY B	WA6ENI	LONG BEACH	CA	MARIO RUBIO	W60H
10/12/99	30083	HOFFMNA, HARRY W	W3VBY	SINKING SPRING	PA	-	-
10/12/99	30084	HOSKIN, ROGER W	W5QEP	RAYNE	LA	JACK WHITAKER	W5HEZ
10/12/99	30085	SCHWARTZ, ROBERT L	WA6JQV	CARSON CITY	NV	DON FREEMAN	W7FD
10/12/99	30086	WETZEL, WILLIAM L	W40XA	BAMBERG	SC	F B ASHLEY	K4MFU
10/14/99	30087	FINELLI, PAT	WA10PD	WATERBURY	CT	HAROLD CHASE	W1EES
10/14/99	30088	HOLMES, JACK C	VE3HKJ	HEIDELBURG	ON	HAROLD BRAUN	VE3DWH
10/14/99	30089	KANESHIRO, ISAMU	AH6HB	HILO	HI	PAUL D LIEB	KH6HME
10/15/99	30090	BARDFIELD, CLAIRE M	K1YL	BROOKLINE	MA	MORTON BARDFIELD	W1UQ
10/15/99	30091	CLEM, RICHARD P	W0IS	ST PAUL	MN	-	-
10/15/99	30092	COWAN, PAUL J	W5NDK	DENTON	TX	CROFT TAYLOR	VE3CT
10/18/99	30093	GURKA, MICHAEL C	K2UGH	CAPE CORAL	FL	JAN SCHEUERMAN	KJ4N
10/18/99	30094	ROBB, JAMES J JR	WA4KXO	CHAPIN	SC	F B ASHLEY	K4MFU
10/20/99	30095	BUCHHOLZ, PETER	DM3SQG	GERMANY		WERNER LEMBCKE	DL1ZC
10/21/99	30096	CULBERT ALLAN B	K0AL	CEDAR RAPIDS	IA	ROBERT W WALSTROM	W0EJ
10/21/99	30097	DAGGETT, RICHARD K	K0PSH	SPRING VALLEY	MN	DOUG KOHL	W0THM
10/22/99	30098	TOWNER, FREDERICK H	VA7XX	JAFFRAY	BC	-	-
10/22/99	30099	MILLER, SCOTT A	K2AJ	CENTEREACH	NY	-	-
10/25/99	30100	BARBEE, BILL	W5LV	GRENADA	MS	-	-
10/25/99	30101	BARNES, EDITH A	W8WGA	CLEARWATER	FL	GEORGE M BARNES	W8RH
10/26/99	30102	MUELLER, WOLFGANG	DL2BWM	GERMANY		WERNER LEMBCKE	DL1ZC
10/26/99	30103	BEMAN, LYMAN	W6GP	MARINA DEL REY	CA	-	-
10/26/99	30104	KING, GEORGE WALES	WB70SY	TUCSON	AZ	CLEM CHASE	W7JGU
10/28/99	30105	DAWSON, JAMES P	N5JPD	EDMOND	OK	GENE NAILON	K5DLE
10/28/99	30106	REISINGER, GEORGE E JR	KB3DXP	YORK	PA	RAY SHAUB	W3AXC
10/29/99	30107	MEITZEN, HENRY D	AA9TT	CYPRESS	TX	-	-
10/29/99	30108	PHILLIPS, LAWRENCE E SR	K9LP	SIERRA VISTA	AZ	-	-
10/29/99	30109	ZETEKOFF, LEON D	WA4ZLW	BOCA RATON	FL	JEFF BEALS	WA4AW
10/29/99	30110	BIERBAUM, MANFRED	DK3SC	GERMANY		WERNER LEMBCKE	DL1ZC
10/29/99	30111	HENZLER, ULI	DR5SF	GERMANY		WERNER LEMBCKE	DL1ZC
10/29/99	30112	LINDEMANN, GUENTER	DK7GL	GERMANY		WERNER LEMBCKE	DL1ZC
10/29/99	30113	HAUG, MANFRED	DL6SN	GERMANY		WERNER LEMBCKE	DL1ZC
11/01/99	30114	RAMSEY, JAMES F	W4MPR	MULLINS	SC	F B ASHLEY	K4MFU
11/01/99	30115	VIDMAR, RICK	K9KK	NORMAN	OK	GENE NAILON	K5DLE
11/01/99	30116	HAMILTON, JAMES L	KG8NW	WASHINGTON COUR	OH	-	-
11/02/99	30117	DUERKES, ROBERT	W4PPG	FT MYERS	FL	JAN SCHEUERMAN	K4JN
11/02/99	30118	HESTER, DEE	K7UD	SCOTTSDALE	AZ	-	-
11/04/99	30119	JONES, QUENTIN D	KU4WD	ORLANDO	FL	-	-
11/08/99	30120	FELDMANN, WILLIAM G	N6PY	PALMDALE	CA	-	-
11/08/99	30121	HARDIE, LAETITIA C TESS	VE3HIR	KINCARDINE	ON	BILL HARDIE	VE3EFX
11/09/99	30122	COLLINS, JOE	W5AOD	BOSSIER CITY	LA	-	-
11/09/99	30123	CURRY, BOBBY JOE	KF7IH	ASH FORK	AZ	FRIED HEYN	WA6WZO
11/09/99	30124	EDICK, PHILANZO G	KG2LC	CORINTH	NY	-	-
11/09/99	30125	MC LANE, WILLIAM C	N9BE	HENDERSONVILLE	NC	HARRY MILLS	K4HU
11/09/99	30126	PEARSON, ALBERT G	WA1TOU	CHESTER	CT	HAROLD CHASE	W1EES

New Members

11/12/99 30127	SALADINO, MICHAEL J	WB5LLI	LA PLACE	LA	-	-
11/12/99 30128	SCHLECHTE, THOMAS W	KG9QC	EVANSVILLE	IN	-	-
11/15/99 30129	MUELLER, DALE	W7GQJ	KLAMATH FALLS	OR	RUTH SCHORR	K7RFO
11/15/99 30130	ZIEMAN, ROBERT	VE3ATN	OTTAWA	ON	GEORGE E ROACH	VE3BNO
11/15/99 30131	MIYATA, AKIRA	JH8DEH	JAPAN	-	-	-
11/17/99 30132	PETERSON, RICHARD A	WB5NEN	SILVER CITY	NM	-	-
11/18/99 30133	KUSTER, LEWIN V	K7LK	BEAR CREEK	MT	G M STENULSON	K7GMS
11/18/99 30134	SHORE, GLENN H	KG8MR	TWINSBURG	OH	-	-
11/22/99 30135	PROFFITT, CHARLES M	W0BCF	HUMANSVILLE	MO	GARY HARRISON	K0BC
11/22/99 30136	SEARS, ROBERT A	AA6VS	GUALALA	CA	-	-
11/23/99 30137	BEAT, GREGORY J	W9GB	ELMHURST	IL	JEFFREY A WOLF	W6JF
11/23/99 30138	CARY, KENNETH R	K9UCX	SPRINGFIELD	IL	-	-
11/23/99 30139	HOUCK, GREGG A	W3GAH	BELLEFONTE	PA	JOHN PASSANEAU	W3JXP
11/23/99 30140	ULATOWSKI, CHRISTOPHER	SP2UUU	GDYNIA, POLAND	-	BARBARA ULATOWSKA	SP2FF
11/24/99 30141	DOWDEN, BARC	VE3TT	KANATA	ON	GEORGE ROACH	VE3BNO
11/29/99 30142	AUSTIN, LEE A	K9WIP	JONESVILLE	WI	-	-
11/29/99 30143	MURPHY, ROBERT E	WA1UHG	VENICE	FL	CROFT TAYLOR	VE3CT
11/29/99 30144	WARREN, MICHAEL	W5MAZ	EDEN PRAIRIE	MN	GARY CAIAN	W8MFL
11/29/99 30145	WINTER, JOHN W	K5CT	WICHITA	KS	GENE NAILON	K5DLE
12/03/99 30146	CLAUSEN, JOHN A A	WB0LYV	BEATRICE	NE	-	-
12/03/99 30147	MILLER, TIMOTHY F	WB0RXX	MONTEVIDEO	MN	-	-
12/03/99 30148	FERREIRA, TED	WA1NXC	EAST HARTFORD	CT	AI COHEN	W1FXQ
12/03/99 30149	ROGRS, ROBERT J	WA1PIO	CANTON	MA	RONALD LUCIER	W1AAE
12/06/99 30150	SHEEDY, MICHAEL W	K4YDK	MONCKS CORNER	SC	-	-
12/06/99 30151	WALLNER, DAVID	KB3DYL	READING	PA	NICK OLAND	W3DSE
12/07/99 30152	WISKOW, JAMES C	AA9BB	ARCADIA	WI	BLANCHE RANGLES	W4GXZ
12/08/99 30153	HILL, JAMES L JR	W5AQP	LEESVILLE	SC	F B ASHLEY	K4MFU
12/08/99 30154	LEE, ROBERT C	N7AU	EPHRATA	WA	WILLIAM EDWARDS	K7PK
12/09/99 30155	FONTAINE, DONALD E	N4ET	VENICE	FL	CROFT TAYLOR	VE3CT
12/09/99 30156	MC FALL, JAMES W	K9VDQ	TERRE HAUTE	IN	-	-
12/13/99 30157	MICHALSKI, DONALD E	W9IXG	MADISON	WI	-	-
12/13/99 30158	EHRHARDT, CHARLES W	K9PQR	WINTER PARK	FL	PAUL A TURNER	W1DLP
12/14/99 30159	HERBERT, GEORGE W	WA2ZYM	LIVINGSTON	TX	-	-
12/14/99 30160	MORIN, DORNIS C JR	K9ZT	MADISON	WI	-	-
12/14/99 30161	NUTTER, BARCLAY	VE3HAH	TORONTO	ON	HAROLD BRAUN	VE3DWH
12/14/99 30162	NUTTER, ANN	VE3HAI	TORONTO	ON	HAROLD BRAUN	VE3DWH
12/15/99 30163	HILTZ, CLAREDON	VE3TL	NEPEAN	ON	FREDERICK H TURNER	VE3LV
12/17/99 30164	FERGUSON, KENNETH B	K4KXO	LEXINGTON	SC	LES SHATTUCK	K4NK
12/17/99 30165	SHOCKLEY, JOEL E JR	K4TDG	CHESTER	SC	LES SHATTUCK	K4NK
12/21/99 30166	ABELL, ROBERT C	VE3XM	WELLESLEY	ON	HAROLD J BRAUN	VE3DWH
12/22/99 30167	CARTER, CRAIG A	WB6RMP	CLOVIS	CA	-	-
12/28/99 30168	CONTINELLI, WILLIAM L	W2XOY	SCHENECTADY	NY	-	-
12/28/99 30169	NORTON, RICHARD A	WB5FRO	WESLACO	TX	ROBERT N DOUGLAS	W5GEL
12/28/99 30170	THOMPSON, BILLY J	WA5NCI	SMYER	TX	-	-
12/28/99 30171	WRIGHT, WYETH W	KC0WH	MOUND CITY	KS	BOB ROSKE	WA0CLR
12/28/99 30172	AZADIAN, HARRY D	W1ODO	E SANDWICH	MA	CHARLES E WALBRIDGE	K1IGD
01/01/00 30173	GORSISKI, LLOYD G	WB9RGO	RACINE	WI	FERN V FISHER	W9LCJ
01/01/00 30174	KING, ALVA L JR	WA9U	SANDOVAL	IL	LOUIS HODGES	W9IL
01/01/00 30175	LOW, JAMES R	N6CY	MONTEREY	CA	PHIL KELLEN	K6CJ
01/01/00 30176	PLAMONDON, BOB	W6BOB	FALLS CHURCH	VA	-	-
01/01/00 30177	REDINGTON, EDMUND B JR	W4EBR	WILMINGTON	NC	LELAND W SMITH JR	W4YE
01/01/00 30178	ROBINSON, ROBERT M	WB5PEF	ROBSTOWN	TX	JOHN BUTROVICH III	W5UWB
01/01/00 30179	SHANEFIELD, KENNETH	WA6LUH	HEMET	CA	NATE SHAPHRAN	W6UTE

Chapters on the Air

NO NAME	DAY	TIME NC	FREQ
SO CALIF CW	SUN	1100L W6WHM	7034
FL SSB	SAT	1300Z W4NWF	3955
QCWA SSB	SUN	2000Z varies	14347
FL SSB	WED	1500Z W4NWF	7274
NE REGIONAL	SUN	0845L W2AUF	3917
QCWA CW	WED	2000E varies	7035
1 CLEVELAND CH	WED	2000L W8NZD	146.88
2 CHICAGO AREA CH	1stTh	2130L W9MOL	147.15
4 NORTHWEST CH	SUN	1200L W7PN	3952
4 NORTHWEST CH	SUN	0800L W7PN	3650
5 DELAWARE VALLEY CH	SUN	1445Z W2EEQ	3917
6 PITTSBURGH CH	SUN	0830L W8CSU	147.03
7 SOUTHERN CA	SUN	1000L W6ZRZ	147.36+
7 SOUTHERN CA	SUN	0900L W6WHM	3917
8 UPPER MIDWEST CH	SAT	0800L W0KHG	3877
9 SOUTHWEST OH	SUN	1330L K8YPD	3987
10 MICHIGAN CH	SUN	0800L VARIES	3903
11 NORTHERN CA	SUN	0930L WA6AFT	3907
11 NORTHERN CA	SAT	1000L W6AQR	146.85-
12 SOUTHEAST FL	WED	2000L VARIES	146.76
14 SAN DIEGO CH	WED	2000L K6QS	145.52
16 ARIZONA CH	SUN	0630L W7ER	3890
17 ALLENTOWN-BETHLEHEM	SUN	1200L VARIES	3990
19 MISSOURI CH	WED	1930L W9VHL	147.15+
20 BALTIMORE CH	MON	2100L W3EE	147.285
21 CANTON OH CH	THU	1930L WA8DRT	147.180
25 NEBRASKA CH	TUE	1900L W0HXL	146.94
25 NEBRASKA CH	SAT	0830L VARIES	3982
28 CENTRAL NY	SUN	1030L K2MFB	3917
29 FINGER LAKES CH	SUN	1230L VARIES	3900
31 READING, PA CH	MON	2100L VARIES	146.91
32 GATOR CH	SAT	0900L VARIES	145.29
33 GUNDERSON PENN-JER	DAILY	2000L W3APE	3982
35 MIDCONTINENT CH	THU	2030L K0YML	146.97
36 NORTHWEST IN	WED	1930L N9MRS	147.495
36 NORTHWEST IN	THU	2000L N9MRS	3703
37 HARRISBURG CH	WED	2100L K3IUJ	147.12
38 SAN ANTONIO CH	SUN	2030L W5HRF	28650
41 DALLAS CH	SUN	0715L varies	3835
45 CITRUS CH	TUE	1930L VARIES	147.195
46 FOUNDER'S CH	SUN	0845L W2AUF	3917
46 FOUNDER'S CH	THU	2030L W2AUF	147.36
48 TREASURE COAST CH	DLY	1700L KD2XD	14,176
48 TREASURE COAST CH	DLY	0800L KD2XD	7153
49 PEACH STATE CH	WED	2000E VARIES	145.41
49 PEACH STATE CH	SAT	0900E K4VN	3857.5
51 TEX-LA GOLDEN TRI	MON	1830L WA5YCW	146.68
54 TYLER CH	MON	1930L W5RRM	28.650
55 WI CH	SUN	0830L VARIES	3985
58 CO CH	SUN	0900L W9KRES	3905
58 CO CH	SUN	0930L VARIES	146.67
62 SUWANNEE CH	SAT	0900L W4PFJ	3940
63 CENTRAL OK CH	SUN	0800L W5AS	3856
63 CENTRAL OK CH	THU	1900L W5AS	145.41
64 EL PASO CH	SAT	0830L W5RO	3933
65 NIAGARA FRONTIER	SUN	1330L W2SD	3900
67 AUSTIN CH	SAT	0900L N5WU	3920
70 NATIONAL CAPITAL	THU	2000L VE3QCW	147.03
73 SOUTHERN ONTARIO	SUN	0900L VE3AGS	3773
75 CENTRAL CA COAST	SAT	0800L W6RBB	3917
76 BLUE RIDGE CH	SAT	1000L K4RR	3930
77 NORTHERN NJ	THU	2000L W2IET	147.030
77 NORTHERN NJ	SUN	1300L N2XJ	3917
79 SUN FLOWER CH	WED	2100L VARIES	146.82
81 LONG ISLAND CH	FRI	2030L K2YAW	146.745
81 LONG ISLAND QCWA CH	SUN	1130L W2TLC	3917

NO NAME	DAY	TIME NC	FREQ
85 ARK-LA-TEX CH	MON	1930L VARIES	146.67
87 EVERGREEN CH	SUN	1500Z VARIES	3984
89 PALMETTO STATE CH	SAT	0900L K4MFU	3930
89 PALMETTO CH	SUN	1700L VARIES	3695
91 VIC CLARK CH	SUN	0900L W4QCW	146.79
92 NORTHERN LIGHTS	SUN	2000L KL7CDG	146.97
94 ROADRUNNER CH	WED	1400L WB5YYX	146.72
95 EASTERN NY	SUN	1130L W2CJO	3900
96 GATEWAY CH	SAT	1600Z W4KGT	3937
102 DAKOTA CH	SUN	1400Z VARIES	3889
105 MIDDLE TN CH	THU	2000L VARIES	146.91
106 GERMAN CH	TUE	1700Z DL1MEB	3573
106 GERMAN CH	MON	1700Z DL0QCW	3669
107 CENTRAL FL	SAT	0900L W4LHP	7243
107 CENTRAL FL	THU	1230L W4LHP	14245
108 BEAVER STATE CH	WED	0800L W7LVN	3926
109 BATON ROUGE CH	SUN	2000L VARIES	146.79
109 BATON ROUGE CH	SUN	0830L VARIES	3905
110 KANSAS CH	SAT	0730L KA0RZO	3920
112 YANKEE CH	SUN	0830L W1GCA	3903
114 NORTH TEXAS CH	SAT	0830L WA5BXH	3941.5
120 QCWW	TUE	1400L W3QPP	14295
122 LAKE ERIE TRI-STATE	SUN	0930L W3QPP	3915
123 LEE DEFOREST CH	SAT	0730L VARIES	3940
126 PIEDMONT CH	SUN	0845L VARIES	3935
128 PELICAN CH	SAT	0900L VARIES	145.29
128 PELICAN CH	SAT	0900L VARIES	145.29
130 INLAND EMPIRE	WED	1930L W6HV	1.896MH
130 INLAND EMPIRE	FRI	1600L W6HV	3862
130 INLAND EMPIRE	SAT	0800L W6HV	3862
131 GULF COAST CH	TUE	0830L VARIES	28750
134 PINE TREE	SUN	1430L VARIES	3942
135 MID-MICHIGAN CH	TUE	2000L VARIES	146.70
138 CENTRAL NJ	TUE	2100L VARIES	148.045
140 WYOMING CH	SAT	0800L W7MZW	3923
141 HI-PLAINS CH	SAT	0900L W5MVJ	3933
142 NORTHWEST OH	WED	2000L W8FO	147.27+
143 NORTH CO CH	SUN	0830L VARIES	145.115
146 TWIN STATE CH	SUN	0830L WA1NBI	3898
149 NUTMEG CH	SUN	1130L W1KHL	3923
150 DEL-MAR-VA CH	SUN	0900L K3PFW	146.82
151 WILD ROSE CH	MON	1900L VARIES	3747
152 ROYAL PALM CH	T-TH	1300L K4FA	14178
152 ROYAL PALM CH	MWF	1300L W4LZV	7220
154 LEO MEYERSON CH	THU	1830L K6AWO	145.480
157 PONY EXPRESS CH	SUN	0830L W0GGP	3955
160 UTAH CH	SAT	1100L VARIES	7272
162 SOUTHEAST WI	THU	2100L N9NBC	147.87
165 YORK COUNTY PA	WED	2100L W3AXC	146.97
173 GOLDEN TRI CH	TUE	1930L W9JRY	147.255
174 WI BADGER	SUN	1600L VARIES	146.82
180 FOOTHILLS / OZARK	SAT	0800L K0DEW	3861
181 HUDSON VALLEY CH	TUE	2030L WA2RRK	147.060
181 HUDSON VALLEY	SUN	0815L W20ZA	3917
182 NORTHEAST TN	SUN	2100L W4QW	145.110
183 PIONEER CH	SUN	1030L W1ALL	3923
188 LOST RIVER CH	1ST W	1915L K7RFO	146.85
191 MONTEREY BAY CH	TUE	1930L AA6T	145.70
192 PUERTO RICO CH	WED	1900Z VARIES	146.850
194 HAWAII CH	1st S	1500L VARIES	7088
195 SUN CITY CH	SAT	0900L VARIES	145.29
196 EDISON CH	DAILY	1000L VARIES	146.88
196 EDISON CH	DAILY	0730L VARIES	147.345
198 MID SIERRA CH	SAT	0700L W6JTA	3906
199 PHIL LEIBLE CH	SUN	0930L WA0XNI	3905
203 GILBERT CROSSLEY	2WED	2000E VARIES	146.85

Amateur Restructuring is Official

Three License Classes, One Code Speed

The FCC has issued its long-awaited Report and Order on Amateur Radio license restructuring. The bottom line is that starting April 15, 2000, there will be three license classes—Technician, General, and Amateur Extra—and a single Morse code requirement—5 WPM—for those desiring HF privileges.

"We believe that an individual's ability to demonstrate increased Morse code proficiency is not necessarily indicative of that individual's ability to contribute to the advancement of the radio art," the FCC said.

Besides drastically streamlining the Amateur Radio licensing process, the FCC said its actions would "eliminate unnecessary requirements that may discourage or limit individuals from becoming trained operators, technicians, and electronic experts."

Although no new Novice and Advanced licenses will be issued after the effective date of the Report and Order, the FCC does not plan to automatically upgrade any existing license privileges. The ARRL had proposed a one-time, across-the-board upgrading of current Novice and Tech Plus licensees to General class, but the FCC declined to adopt the idea. This means that current licensees will retain their current operating privileges, including access to various modes and subbands, and will be able to retain their license class and renew their licenses indefinitely.

The FCC R&O provides a sole opportunity to upgrade without further testing. Starting April 15, 2000, individuals who qualified for the Technician class license prior to March 21, 1987, will be able to upgrade to General class by providing documentary proof to a Volunteer Examiner Coordinator, completing FCC Form 605, and paying a processing fee, if any.

The FCC disagreed with the League's suggestion that it undertake a restructuring of operating privileges along with licensing restructuring. The Commission said it wanted to give the

amateur community a chance to "reach a consensus" regarding new technologies before it tried to restructure amateur operating privileges and frequencies. The FCC's decision not to automatically upgrade Novice and Tech Plus licensees means the current Novice/Tech Plus HF sub bands will remain and not be "refarmed" to higher-class licensees as the ARRL had proposed.

The FCC decided to lump Technician and Tech Plus licensees into a single licensee database, all designated as "Technician" licensees. The current "no-code" Technician license will continue to be available, authorizing operation above 30 MHz as specified in the FCC rules. Technicians who pass or claim prior credit for the 5 WPM Morse code test will earn current Novice/Tech Plus HF privileges as well. The FCC said it may request documentation from a licensee or VEC to verify whether a licensee has passed a telegraphy examination. The ARRL has asked the FCC to reconsider this aspect of the plan. The League wants the FCC to continue to maintain its database so it can tell who has Morse code credit and who does not.

Under the new licensing scheme, there will be four examination elements. Element 1 will be the 5 WPM Morse code exam. Element 2 will be a 35-question Technician exam; Element 3 will be a 35-question General exam; and Element 4 will be a 50-question Amateur Extra exam. The FCC has left it in the hands of the nation's Volunteer Examiner Coordinators to determine the specific mix and makeup of written examination questions.

Elimination of the 13 and 20 WPM Morse requirements means an end to physician certification waivers for applicants claiming an inability to pass the Morse code examination due to physical handicap. The FCC has said that VEs must continue to accommodate those with disabilities, however.

The FCC's action also authorizes Advanced Class hams to prepare and administer General class examinations, and eliminates Radio Amateur Civil Emergency Service (RACES) station licenses. RACES will remain, however.

A copy of the entire Report and Order (FCC 99-412) is available at <http://www.arrl.org/announce/regulatory/wt98-143ro.pdf> or at http://www.fcc.gov/Daily_Releases/Daily_Business/1999/db991230/fcc99412.txt.

The ARRL has additional information and Frequently Asked Questions on its Web site, <http://www.arrl.org>.

Reprinted with permission of ARRL



Actual Newspaper Headline

GAS CLOUD CLEARS OUT TACO BELL

Silent Keys

With sadness we record the passing of these members

NAME	CALL	MEMNUM	L	SK	CITY	STATE/PROV
COMPTON, CHARLES GQUIT	W0AF	07606	*	1999	MELBOURNE	FL
SHREVE, TAYLOR S	W0CXW	09616		1999	SYRACUSE	IN
WOERNER, EDWIN E	WA0QJK	26759		1999	LINCOLN	NE
MILLS, ALFRED W	W0YFJ	09764		1999	AURORA	CO
HARNOIS, ROBERT N	K1EFZ	15673		1999	ORMOND BEACH	FL
MERRILL, ALAN C	W1FYR	13743	*	1999	GILSUM	NH
ALEXANDER, LEIGH CQUIT	W1GCX	15135	*	1999	SIDNEY	ME
KENEFICK, WILLIAM J	AD1I	25286		1999	CHELSEA	VT
FRUZZETTI, ALDERICO	K1JJJ	17591		1999	BRIDGEWATER	MA
GORDON, EUNICE B	W1UKR	13454		1999	HOMOSASSA	FL
VIARS, THEODORE C	K2AQR	29232		1999	SPRING LAKE HTS	NJ
HARVAN, DARRYL E	WA2AYF	17865	*	1999	CALIFON	NJ
JACOBS, FRANK	W2BSL	00151		1999	ORANGEVILLE	CA
DABB, ALBERT H JR	W2CAY	14445		1999	NEWARK	NY
HARRIS, CHARLES J	WB2CHO	24292		1999	SANTA ROSA	CA
YATTER, SAMUEL	W2ENM	09193	*	1999	MANASQUAN	NJ
THOMAS, WALKER H	K2HP	08047		1999	BOULDER CITY	NV
TIMM, MILLARD F	KA2JUG	15653		1999	LENEXA	KS
ROBINS, HAROLD	W2KN	03103	*	1999	NEW YORK	NY
MC CARREN, WILLIAM J	K2LV	24506		1999	BRONXVILLE	NY
SHEPHERD, JEAN	K2ORS	13107		1999	FT LAUDERDALE	FL
ROEDER, PAUL A	K2PR	05506		1999	TOMS RIVER	NJ
WELLINGTON, LUCIUS R	K2RKZ	19972		1999	LAKE BUTLER	FL
CALLAHAN, PAUL E	K3AER	16443	*	1999	WEST SPRINGFIELD	PA
JORDAN, JOSEPH L	VE3AID	10848		1999	WILLOWDALE	ON
DEMES, STEPHEN	WA3AIR	19953		1999	CHAMBERSBURG	PA
BURNETT, GWEN	VE3AYL	08975		1999	WILLOWDALE	ON
HAIGHT, WILBUR T	W3BKN	17817		1999	MECHANICSBURG	PA
WILSON, JOHN R	WA3CQT	26378		1999	WEST CHESTER	PA
HAMMOND, FRED	VE3HC	04297		1999	GUELPH	ON
BOLTON, JACK	VE3LH	12561		1999	NORTH BAY	ON
KELLEY, LEO	W3LQD	29576		1999	AALTOONA	PA
VEALE, ELVIN C	VE3NZ	14533		1999	AMHERSTVIEW	ON
WILLIAMS, EDWARD G	VE3WA	13709		1999	SCARBOROUGH	ON
WOOD, JAMES W JR	K3YLX	23525		1999	DREXEL HILL	PA
SCOTT, RALPH C	K4AWY	10240	*	1999	CLARKS HILL	SC
ALEXANDER, ROBERT E	AE4BB	20840		1999	BRISTOL	TN
WITHERSPOON, JOHN G	W4GUJ	04931		1999	HIGH SPRINGS	FL
JOHNSON, HARRY D	VE4HJ	05575		1999	JOHNSON, HARRY D	MB
ARMSTRONG, JAMES W	N4HZR	17407		1999	OCALA	FL
BOWERS, STUART W	K4KFL	13771	*	1999	BROOKSVILLE	FL
HILLIARD, ALEX H	K4SP	04444		1999	ORANGE PARK	FL
PETERS, AMOS JR	W5LHX	07717	*	1999	TAYLOR	TX
PEARRE, MARGARET H	K5MXO	10597	*	1999	HOUSTON	TX
DAILY, LAURENCE A	W6KZJ	10643		1999	SAN CARLOS	CA
BLANCHER, D W	W6PCG	05961	*	1999	NORTHRIDGE	CA
MC AULIFFE, PATRICK J	K6QPZ	15293	*	1999	EL PASO	TX
HANSEN, FRED	W6SMD	12202	*	1999	RANCHO PALOS VERDES	CA
BEARDSLEY, FRANK H	KD6W	19017		1999	REDDING	CA
PUGMIRE, WILLARD H	W7AZE	06952	*	1999	TACOMA	WA
ADAMS, BILL	W6BA	12628		1999	29 PALMS	CA
FINLAYSON, DONALD E	VE7FGK	18240		1999	NORTH VANCOUVER	BC
CHEZEN, CURTIS G	WN7K	25152		1999	EUGENE	OR
HANNA, BERT C	VE7UN	10814	*	1999	SALMON ARM	BC
CONLEY, WILFRED H	W8CZR	13652	*	1999	VAN WERT	OH
GREENBERGER, WILLIAM B	WA8IJV	25495		1999	ELYRIA	OH
OEBELS, CHARLES J	K8SNJ	17215		1999	WEST MELTON	OH
WEISS, THOMAS R	WA8VSY	23277	*	1999	NORTON	OH
MAWDSLEY, ROBERT L	W9ELU	18755	*	1999	DAYTON	OH

Results of the 43rd Annual QCWA QSO Party Part 2 - Sept. 18/19, 1999

Prepared by Don Bice, W4PCO

TOP Five QCWA Member Participants

1. CROFT TAYLOR, VE3CT
2. JIM DeVRIES, W7UG
3. J. RILEY DUDLEY, K4ORD
4. KEN CAMBELL, W9RBZ
5. LELAND SMITH, W5KL

TOP Five Non-QCWA Member Participants

No Logs Received

TOP Five Novice Class Participants

No Logs Received

	Call	Name	Chapter	QSO's	Multi	Total
1	VE3CT	CROFT	70	261	88	22968
2	W7UG	JIM	175	102	49	4998
3	K4ORD	RILEY	202	106	44	4864
4	W9RBZ	KEN	100	105	43	4515
5	W5KL	LELAND	158	124	36	4484
6	N6CMF	PHIL	130	103	43	4429
7	W2WW	AL	AL(NY)	109	37	4033
8	K7BZ	STAN	18	84	41	3444
9	W3UHP	ERNIE	6	83	41	3403
10	K2SSE	AL	173	88	34	2312
11	W8AP	MAC	25	75	30	2260
12	AB2N	ARNOLD	138	86	31	2046
13	WA1PFC	JOHN	112	51	32	1632
14	W2SD	NORMAN	65	64	25	1600
15	W3NGO	DICK	122	50	27	1350
16	VA3ZBB	RON	70	54	25	1350
17	W3EE	LEE	20	46	27	1242
18	K6CJ	PHIL	191	44	27	1188
19	K1AA	NORM	45	60	23	1150
20	W9HR	AL	162	49	19	931
21	K6SS	LEONARD	130	36	23	828
22	W4KOG	BOB	111	41	19	779
23	VE3AHZ	JACK	70	34	21	714
24	W0FCL	DAVID	110	34	16	544
25	W5GSQ	JIM	38	32	16	512
26	W4DK	DUKE	76	25	20	500
27	K4AXB	CHARLES	45	23	17	391
28	W1HE (GRP)	THOMAS	112	26	15	390
29	KD5HXP	ROBERT	63	20	16	320
30	K4FF	BOB	32	48	6	288
31	W0ODD	ED	AL(KS)	24	12	288
32	K0RY	HARVEY	110	20	13	280
33	N2LR	LEN	191	18	10	180
34	W8YA	WILLIAM	AL(SC)	20	9	180
35	N83O	GEORGE	6	12	14	168
36	W3FYK	WILLIAM	17	18	9	162
37	W6JU	MORTON	75	16	8	128
38	W8ST	ALLAN	7	14	9	126
39	W0WLN	ROBERT	162	14	9	126
40	W8NKR	MARION	169	7	14	98
41	K4LVZ	GERALD	45	10	9	90
42	W0YQY	DON	25	10	8	80
43	W4AGI	VICTOR	202	8	6	48
44	W2OD	BOB	138	5	7	35
45	W1KKG	SPERRY	149	5	7	35
46	W7DRA7	MIKE	AL(WA)	8	4	32
47	W7RQQ	CHUCK	108	7	3	21
48	W3MPN	GEORGE	20	5	3	15
49	W8NVK	ED	162	4	3	12
50	K7EWG	CARL	175	3	3	9
51	W4JMO	LARRY	162	3	2	6
52	W4PCO	DON	128	3	1	3
53	W7LQU	RED	160	2	1	2
54	K1IGD	CHUCK	112	1	1	1

Ramsey Electronics Raided by Federal US Customs Agents

by Gerry Wentz, KC4EHT

It only took 25 years but finally the feds caught on. Ramsey Electronics, previously thought to be a company that sold educational electronic kits to hobbyists, school children, and amateur radio experimenters, was stormed by seven armed US Customs agents armed with a warrant accusing them of selling devices that MIGHT be in violation of US Code Title 18, Section 2512. For the laymen, that means that the stuff they sold to thousands of boy scouts, schools and hobbyists all these years was determined by them to be "primarily designed for surreptitious use", presumably by international espionage organizations and terrorist groups.

Especially of interest were the FM-1 wireless-microphone kits that are priced at \$5.95. Interestingly, the Canadian/United States border crossing (one of the heaviest traveled in US) is only 7 miles from Buffalo and 75 miles from Victor NY, the home of Ramsey Electronics. Several suspected terrorists have been nabbed at various border crossings recently so is one to assume that terrorists are spilling over the border and making a beeline to Ramsey Electronics to stock up on the latest in spy devices - at a price even the most cash-strapped terrorist could afford? Rumors have it that bin Laden is a little slow paying up on the expense accounts.

All humor aside, this is a serious matter in which John Ramsey and his company could face serious Federal charges and prison time. Most surely, the prospect of bankruptcy looms in his mind since he faces outrageous legal bills to defend his good name in the face of the Justice Department and its unlimited resources.

The five-hour raid commenced on November 10, 1999 at 10:00 AM when 7 armed US Customs agents in three vehicles accompanied by 3 New York State Troopers arrived at the Ramsey business. It's curious that they thought they needed a small army to storm the Ramsey business that resides quite openly and freely accessible in an office park. Everyone and anyone visits the storefront daily; from young children to adults. As John Ramsey says, "it's not like we're in a dingy basement in the inner city surrounded by hit-men and drug labs."

Ramsey said, "Why didn't you just call and tell me to stop selling the products in question? We would have stopped selling them immediately if you simply would have asked. That sure would have saved all of us a lot of time, effort and taxpayers money - we'd even pay for the call on the 800 number!"

Five hours after the siege began, a van backed up to the loading dock. They started loading products into the van. Ramsey said, "They wouldn't let me see what they were taking, verify counts or even observe what was in the boxes."

When the longest day was finished and the agents disappeared into the sunset with their booty, Ramsey figures they confiscated over \$30,000 of his property. The Customs Agents turned over their findings to the US Attorney in Buffalo.

Probably many of the readers have been touched in one way or another by Ramsey Electronics. A simple kit from Ramsey probably launched many into the amateur radio hobby. Little did many realize they were playing with fire...and I'm not talking about those little laser kits Ramsey sells either.

Excerpted from CyberSKIP Digest, January 2000. A copy of the Digest with the complete article can be obtained by contacting your Editor. Please provide addressing information.

Member Classified

WANTED: Narrow based Vibroplex Bug (3 inches or less). McElroy Bug. Early Collins goods. Signal Magazines. KN9VKY QSL. Brian Roberts, 130 Tara Dr., Fombell, PA 16123. (724)758-2688. k9vky@stargate.net Thanks Brian K9VKY

WANTED: Collins tube era broadcast or amateur equipment from the period 1930 -1955, for actual on-air use. Please email w5jv@amsat.org or contact Doug Hensley, 5678 College Drive, Baton Rouge, LA. 70806. (225) 928-2559

FOR SALE: CT Hand keys, paddles, Svetlana tubes. <http://www.qsl.net/ut7ct> E-mail: tony@uch.net

WANTED: QST March 1920 & January 1921, please state condition and price. Also need Electro-Voice #419 mic base. Steve Smothers, W9DX, 12703 Cloverwood Drive, Cypress, Texas 77429 tel: 281-376-9248. e-mail: w9dx@arrl.net

FOR SALE: Tempo Lo-Band Transceiver and Yaesu FLDX 2000 Linear Amp. George Riggins - WA6DZR, 2331 San Anseline, Long Beach CA 90815. Griggins@worldnet.att.net

WANTED: Collins KWM-380; Military gear (pre WWII): Lil LULU 6 meter. Receiver/Transmitter; Drake DSR-1,2, R7. Hallicrafters SX-88, SX73, SX-115, RME-9. Steve K6PFW, 848 N. Silverwood, Upland CA 91786. Ph: 909-985-1062. E-mail: wsbarnes@eee.org

WANTED: Mosley CM-1, TENTEC 315, RX-10, Heathkit AR-3, GE-371, Hallicrafters CR-3000. Herman Schnur 3205 Brick Kiln Road, Greenville NC 27858. Ph: 252-752-2264.

Official answers to the Crossword Puzzle ANSWERS



Please send classified ads to QCWA Journal, 672 Indian River Dr., Melbourne, FL 32935 to arrive no later than 1 month prior to publication date. Ads may also be faxed to 800-421-3279 or e-mailed to gwentz@digital.net

Kindly limit ads to 25 words. Words are counted as follows: **WANTED, FOR SALE, FREE, etc** count as 1 word; your address counts as 6 words.

WANTED: Any radios used by the O.S.S. or any spy radios, accessories or manuals. Gary Cain W8MFL 202 West 5th Ave, Shakopee MN 55379.

WANTED: Early Ham and broadcast equipment. Any wireless, spark or crystal pieces. One piece or collection. Mike Bald WD5GLW 7637 S. Quebec Pl., Tulsa OK 74136. Ph: 918-492-7361. E-mail: RadioMB@aol.com

SELL: TE Systems 70cm, 100W, RF Amplifier like new or trade for a 2m, 100W RFA. Wayne Cooper AG4R. Ph: 703-671-5629. E-mail: ag4r@erols.com

FOR SALE: 1 HQ160 Hammarlund Receiver good condition. No speaker - \$150.00 OBO. 1 Heathkit HW20 good working order - \$150.00 OBO. 1 RCA Signal Generator WR50B with book, cable, etc. - \$50.00 OBO. 1 Heath Antenna - \$10.00 (Castor Oils). 1 Heath HD1481 Remote coax switch, complete - \$25.00 OBO. 1 MFJ 931 Artificial Ground, no longer needed - \$75.00 OBO. Carl Watson W1NV/GØVLW PO Box 114, Boothbay ME 04537-0114. Ph: 207-633-3828. If no answer, Leave message on FAX: 207-633-9745.

From MILLIWATTS to KILOWATTS™

RF POWER TRANSISTORS • TUBES POWER MODULES



Best pricing on U.S. & Russian
Transmitting & Receiving Tubes



3-500ZG • 811A • 572B
6146B & W • 8122 • 3CX400A7 & U7 • 3CX800A7
3CX1200A7/D7/Z7 • 3CX1500A7 • 3CX3000A7 • 4CX250B & R
4CX400A • 4CX800A • 4CX1000A • 4CX1500B
including full range through 4CX20,000A



Complete inventory for servicing
amateur and commercial
communications equipment.

Transistors • RF Modules • Trimmers • Doorknob Capacitors
Heatsinks • Bird Wattmeters • Relays
Broadband Transformers & Combiners

**MOTOROLA
TOSHIBA**



Send for your **FREE** Catalog

Same Day Shipping on most orders.

800-RF-PARTS • 760-744-0700

Fax: 760-744-1943 • E-mail: rfp@rfparts.com
435 So. Pacific Street • San Marcos, CA 92069

Complete Catalog On-line: www.rfparts.com

W6NQ • K6NDG • K6CAQ • K6DRA • N6DAS • WA6GYG



**RF PARTS™
COMPANY**
FROM MILLIWATTS TO KILOWATTS™



QUARTER CENTURY WIRELESS ASSOCIATION, INC.

159 East 16th Ave., Eugene, OR 97401-4017

541-683-0987

Fax - 541-683-4181



This form for use by all U.S. applicants
for membership in QCWA.
Effective 4/1/96

For Office Use Only

Membership No.

Date

First Licensed, Year

Deposit Record

Have you been previously enrolled in QCWA? _____

I, _____, _____
(Please Print Name Clearly) Present Callsign

having been licensed as an amateur 25 or more years ago and presently holding the call listed above (it is not necessary to have been licensed the entire 25 years) hereby apply for membership in QCWA. I understand that proof of the original date of licensing is required. My complete mailing address is:

Street Address _____ City _____ State _____ Zip _____
I will keep QCWA Headquarters advised of changes in my address and/or callsign. My first amateur license was issued _____ Other calls held _____
I wish to become affiliated with QCWA Chapter _____
Date of birth _____ Birthplace _____
Present occupation/business _____
If retired, what was major life work? _____
Other organizations you belong to _____

Your signature _____

SCHEDULE OF MEMBERSHIP FEES

Select one of the following plans

	Members	Family	
QCWA dues for a one-year period	\$20		_____
QCWA dues for a two-year period	\$35		_____
QCWA dues for a three-year period	\$50	\$12	_____
QCWA life membership	\$300	\$90	_____
Payable in 3 equal installments of \$105 each, in a one-year period	\$315	\$105 (3 payments of \$35)	_____

Initial registration fee, all new members - \$3

Gold membership pins are available, your call engraved, no year tags. Check type of fastener.

Tie tack _____, Screw button _____, Safety pin _____, ----- \$10 each _____
Year tag pins - 25, 30, 35, 40, 45, 50, 55, 60, 65, 70 or 75 (tie-tac only) - \$15 each _____

Total _____

Proposed by _____, **Callsign** _____, **No.** _____

ANTIQUE RADIO CLASSIFIED



THE NATIONAL PUBLICATION
FOR BUYERS AND SELLERS
OF OLD RADIOS AND RELATED ITEMS
PUBLISHED MONTHLY

Published by John V. Terrey, W5DTQ, P.O. Box 2, Carlisle, MA 01741

Antique radio's largest-circulation monthly magazine

Our 15th Year!

SUBSCRIBE TODAY

Only \$19.95 for a 6-month Trial

A typical 100-page monthly issue includes:

- 800 Classified Ads
- Advertising for Services & Hard-to-Find Parts
- Informative Articles such as Company Histories, Value Guides, Auction Reports, How-To, Photo Reviews, Hints & Tips, Coming Events

A Sampling of the collecting areas covered:

- | | | |
|---------------------|---------------------------|--------------------------|
| • 20's Battery Sets | • 50's Plastic Radios | • Horns & Speakers |
| • Crystal Sets | • Television | • Telegraph Gear |
| • Wireless Gear | • Hi-Fi Gear | • Advertising |
| • Cathedrals | • Transistor Radios | • Novelties |
| • Tombstones | • Comm. Receivers & Xmtrs | • Books, Magazines, etc. |
| • Classic Radios | • Tubes | • Etc., etc., etc. |

Yes, I want to subscribe to Antique Radio Classified!

W87

Name _____ Call _____

Address _____

City _____ State _____ Zip _____

Telephone _____

15th Year Special Rates:

- ___ \$19.95 6-months, by Periodicals mail
___ \$39.50 12-months, by Periodicals mail; ___ \$79.00 25-months
___ \$57.95 12-months, by First class mail; ___ \$115.90 25-months
___ Please send a FREE sample.

(Write for foreign rates)

Make checks payable to A.R.C.

or supply VISA or MasterCard number & expiration date.

Mail to: A.R.C., P.O. Box 2-W87, Carlisle, MA 01741

Call: 978-371-0512 — Fax: 978-371-7129 — Web: www.antiqueradio.com — Email: arc@antiqueradio.com



Leading the way in HF technology.



FT-1000MP

Revolutionary All-Mode HF Transceiver with EDSP™

- Enhanced Digital Signal Processing (EDSP™) Noise Reducer, RX/TX waveform Contour shaping control, Digital Notch plus IF Notch, Digital CW Narrow Filters, Microphone Equalization • Shuttle Jog™ Tuning Enhancement • Directional Tuning Scale for CW/Digital Modes and Clarifier Offset Display • Selectable Antenna Jacks • Programmable Tuning Steps • 100W PO • Dual In-band Receive with Separate S-meters • Built-in Collins® SSB Mechanical Filter • CW Electronic Keyer with two Key jacks • CW Spot • Automatic Antenna Tuner • 100-117, 200-234V AC and 13.5V DC power inputs • DC version available • 99 Memories.

FT-1000/D

Elite-Class All-Mode HF Transceiver

- 200W PO • Dual Receive • 108 dB dynamic range • Cascaded IF Filters • Direct Digital Synthesis (DDS) • IF Width/Shift/Notch • CW Spot • CW Audio Peaking Filter • CW Electronic Keyer with two Key jacks • IF Noise Blanker • Automatic Antenna Tuner • RF Speech Processor • Front panel RX Antenna selector switch • Two large fly-wheel-weighted tuning knobs • 99 Memories.



FT-840

High Performance Compact HF Transceiver

- High Receiver Dynamic Range • Dual Band Stacking VFOs with Direct Digital Synthesis (DDS) • 100W PO • IF Shift • IF Noise Blanker • Digital Mode Interface • CW-Reverse feature • Adjustable Repeater CTCSS Tones • Optional (External) Automatic Antenna Tuner • 100 Memories.

FT-600

Multi-Purpose HF SSB Transceiver

Frequency Range: RX: 50 kHz - 30 MHz; TX: 160-10M • 100W PO • MIL-STD 810 Rating • Alphanumeric Omni-Glow™ LCD Display • Keypad Frequency Entry • Optional CW (500 Hz) and AM (6 kHz) filters available • Dual Watch • Front-mounted Speaker with High Audio Output • PC Programmable • 100 Memories (in 4 banks of 25).

FT-920

All-Mode HF/6m Transceiver

- High-Performance 33MIPS* DSP • HF + 50 MHz w/100 Watts-all Bands • MOSFET PA Finals • High Speed Auto Antenna Tuner (works on RX & TX) • Omni-Glow™ Dual Display • Twin VFO Knobs • FET RF Amplifier for High & Low Bands • Digital Voice Memory System • Quick Memory Bank (QMB) Frequency System • 127 Memories. *Million Instructions Per Second

FT-847

HF/50/144/430 MHz All Mode Transceiver DSP Filters--notch, NR and BPF • Built-in 6-Meter

- Voice Monitor • Separate Sub-Band Dial • Shuttle Jog Dial • Smart Search • Digital Meter • 19 Memories • 100W for HF/6-Meter; 50W 2-Meter/430 MHz • Crossband Full Duplex • Normal/Reverse Tracking • CTCSS and DCS Encode/Decode • Direct Keypad Frequency Entry • 1200/9600bps Packet-Ready



YAESU

Choice of the World's top DX'ers

©1998 Yaesu USA, 17210 Edwards Road, Cerritos, CA 90703, (562) 404-2700
Specifications subject to change without notice. Specifications guaranteed only within amateur bands. Some accessories and/or options are standard in certain areas. Check with your local Yaesu dealer for specific details. Collins is a Registered trademark of Rockwell International Corporation.

For the latest Yaesu news, hottest products, visit us on the Internet! <http://www.yaesu.com>